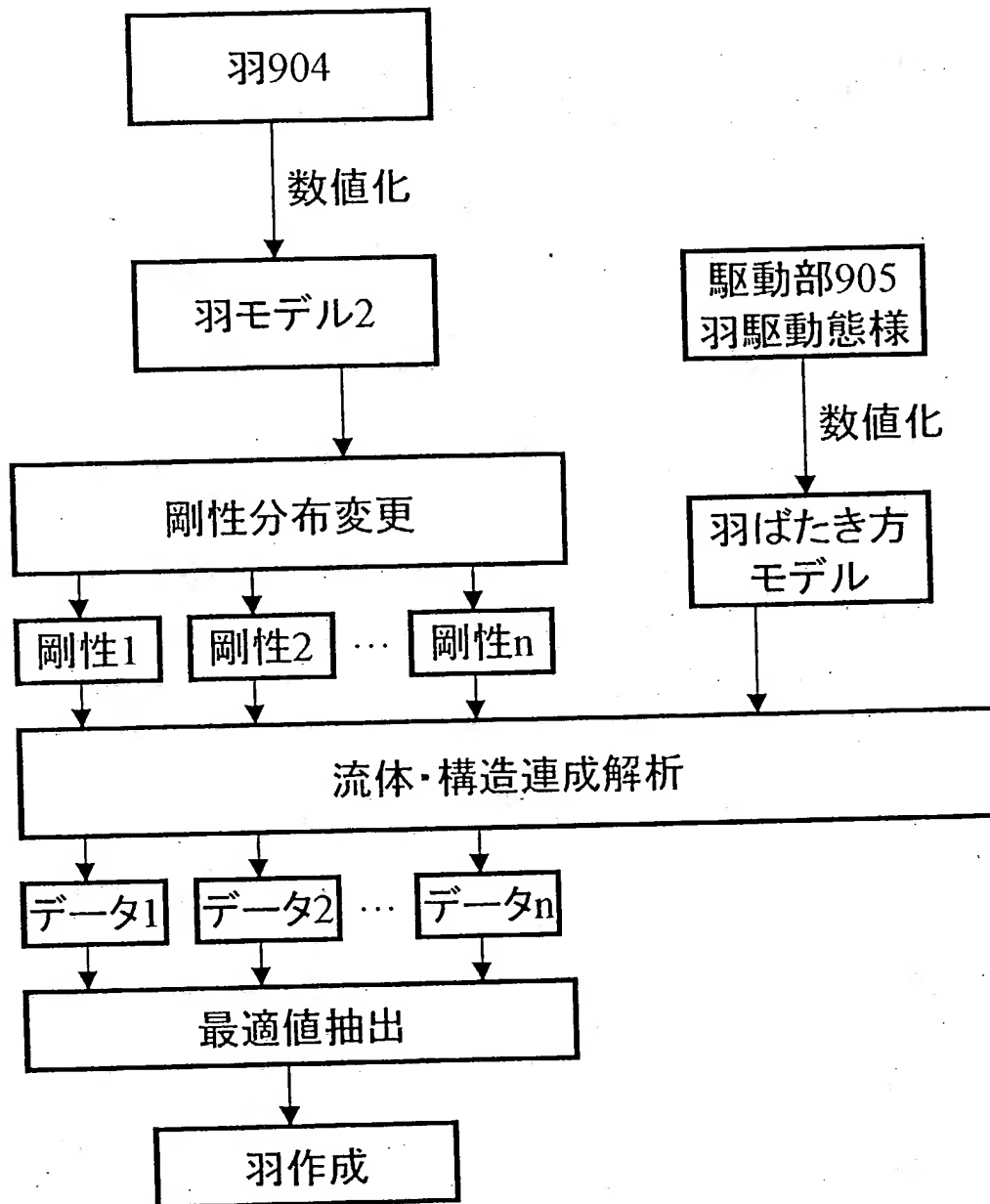
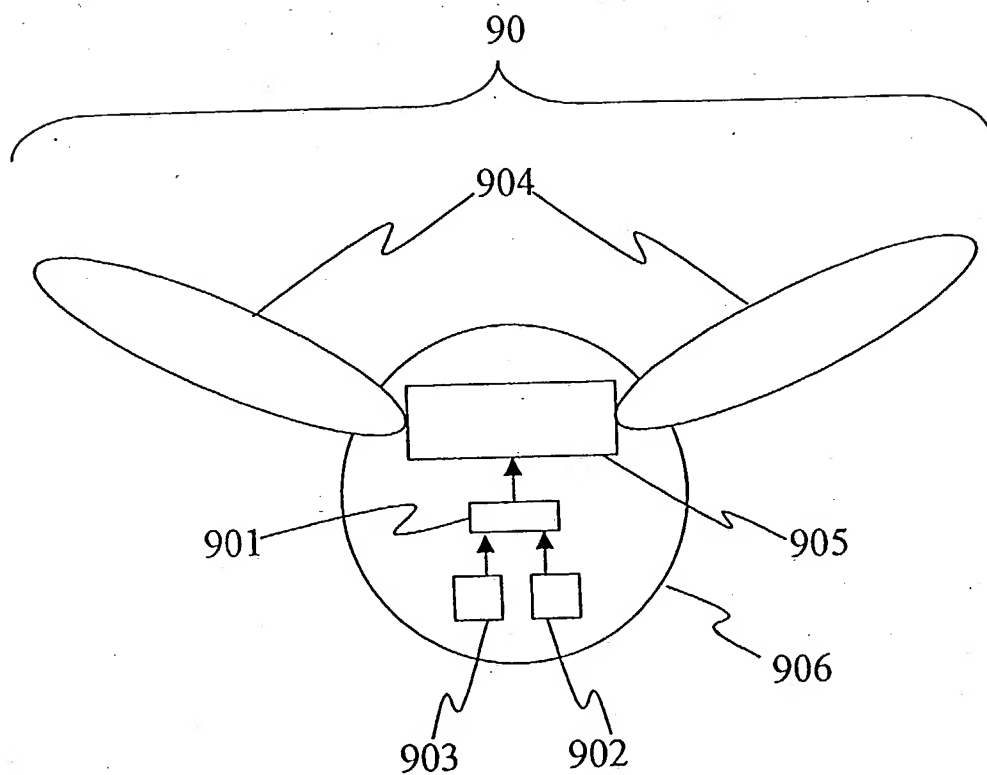


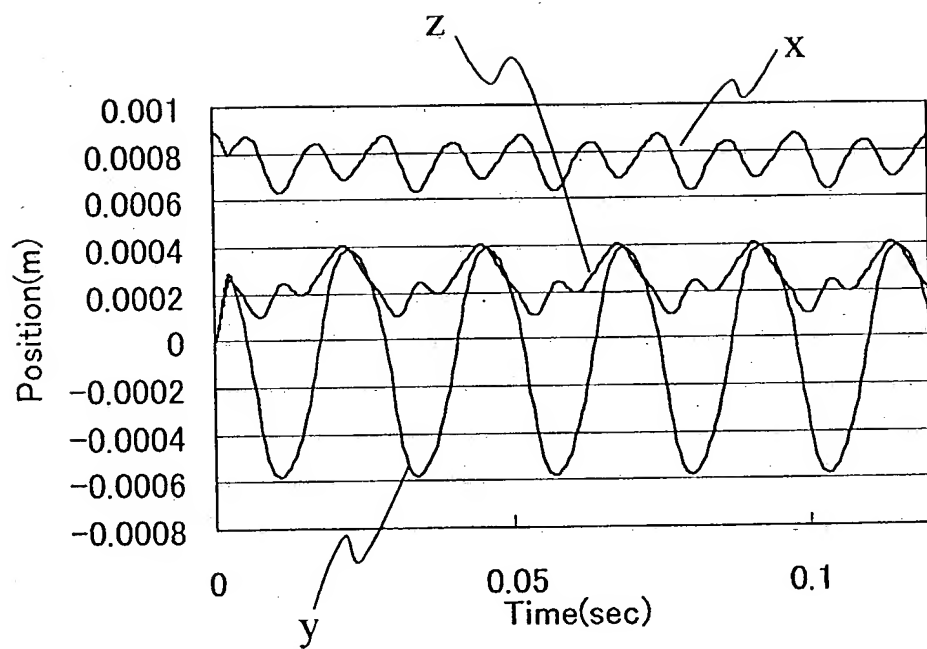
02J021XJ
03R00338/US/END
+021027 903154
(担当: カサハ 3/5)



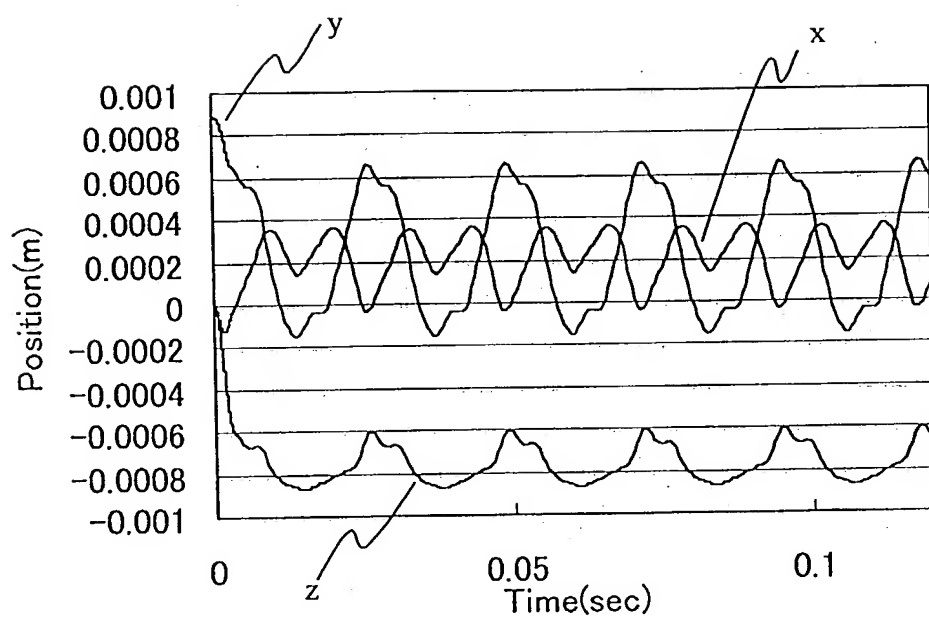
【図1】



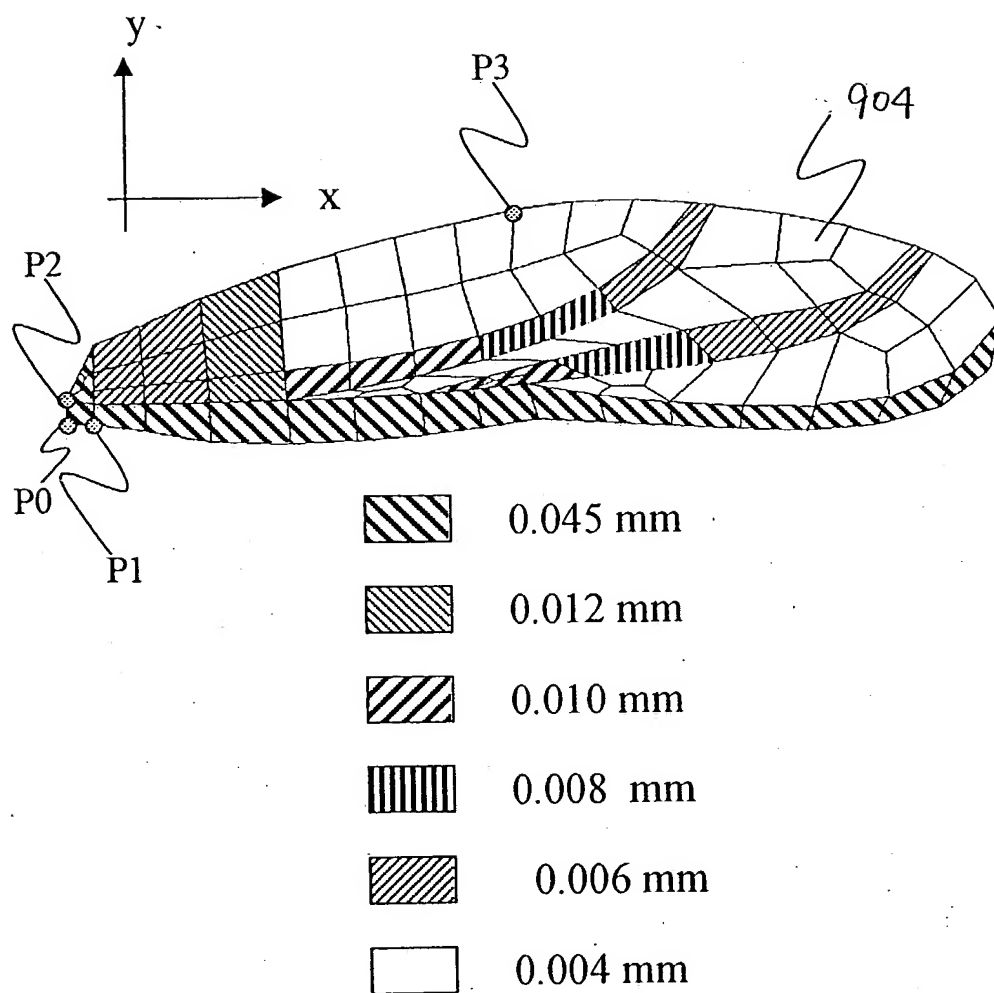
【図2】



【図3】



【図4】



【図5】

~~图8~~

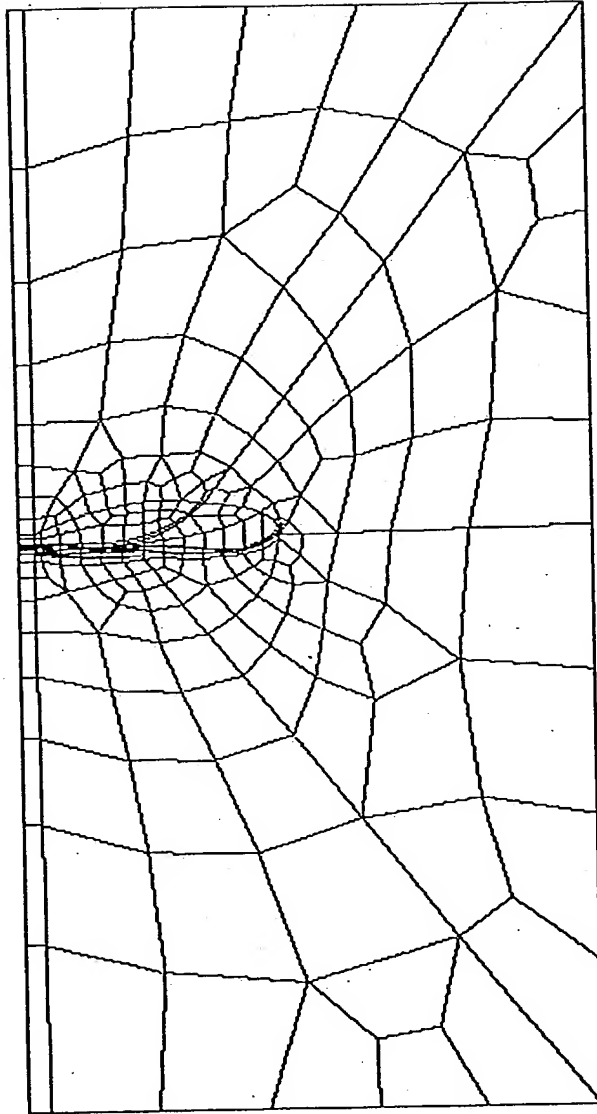


图 6

~~图 38~~

~~图 45~~

~~图 25~~

~~图9~~

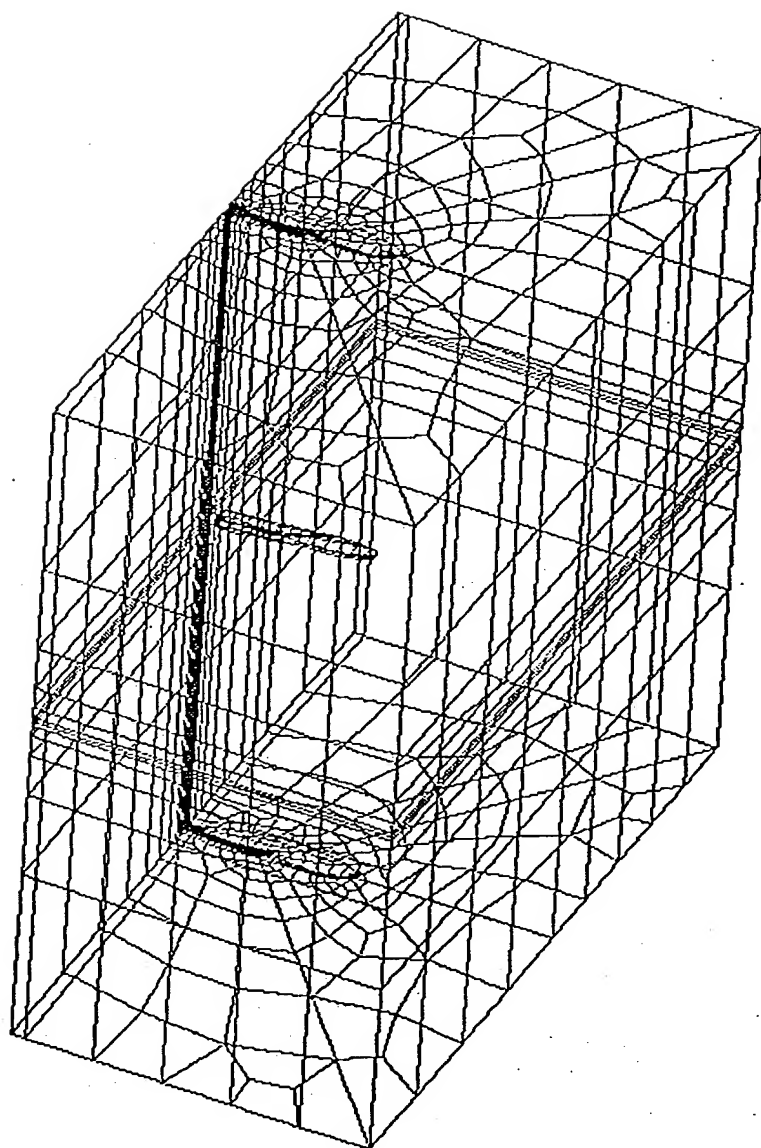
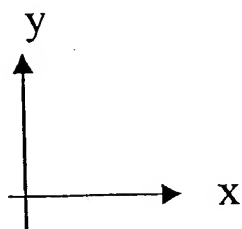
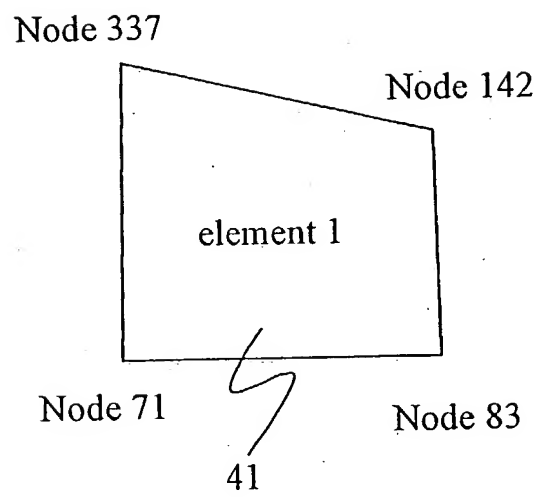
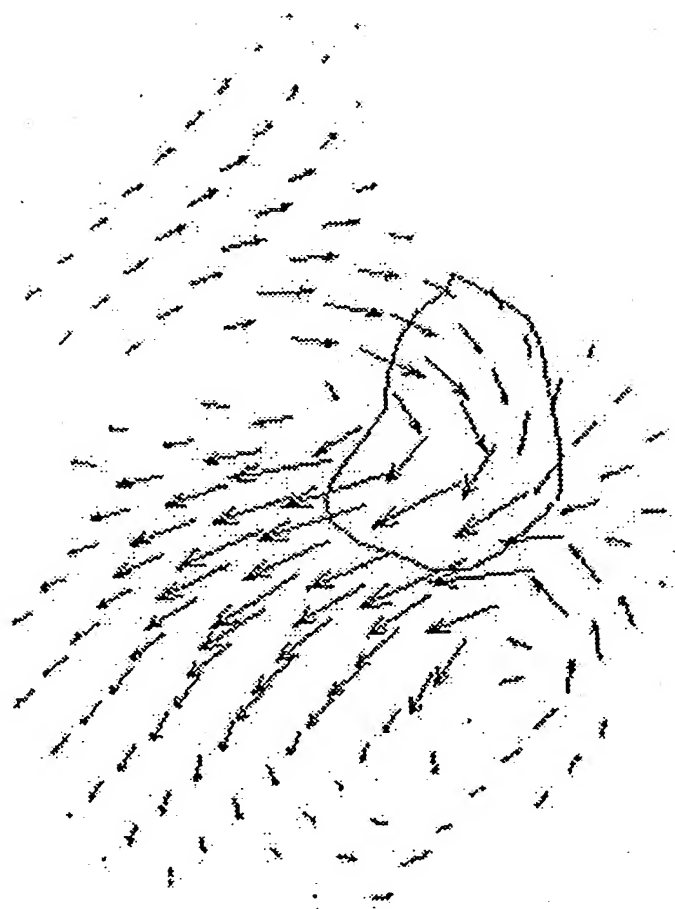


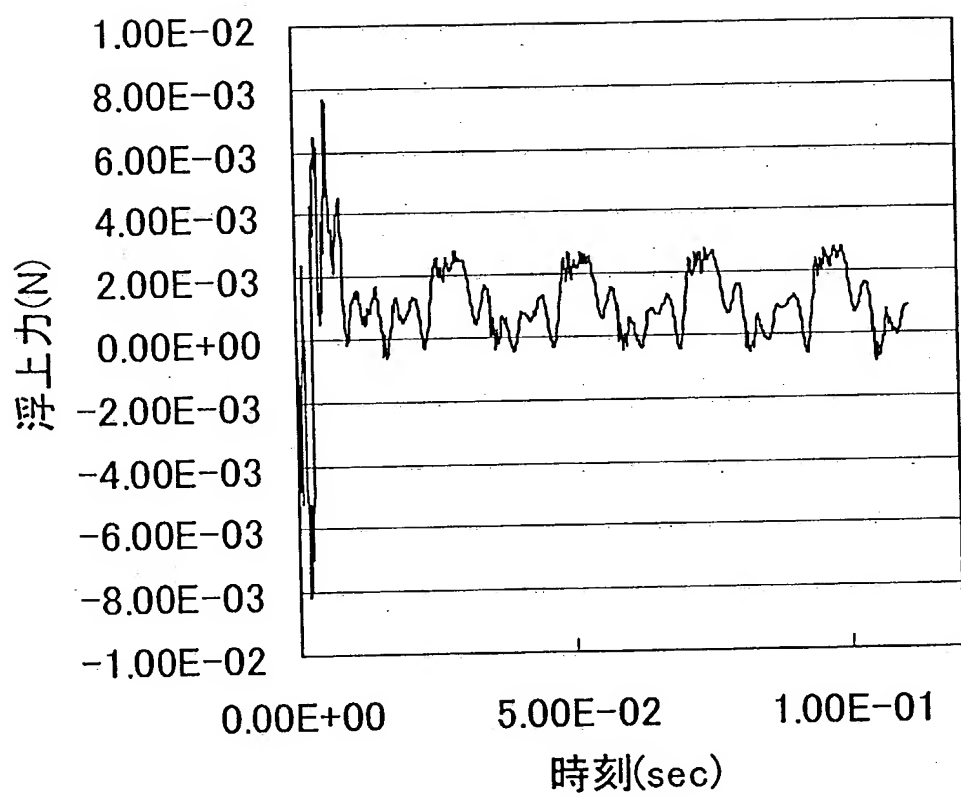
图7
~~图39~~
~~图46~~
~~图22~~



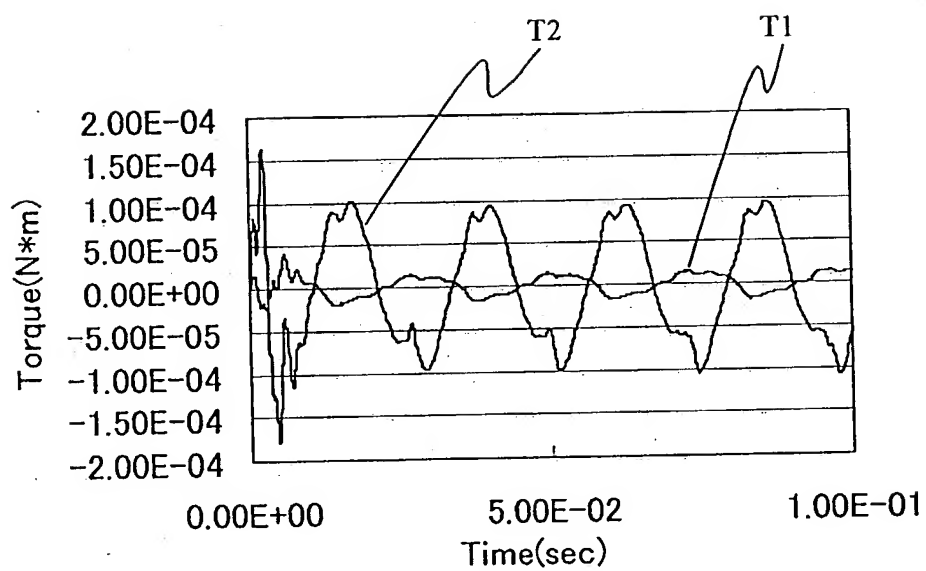
【图8】



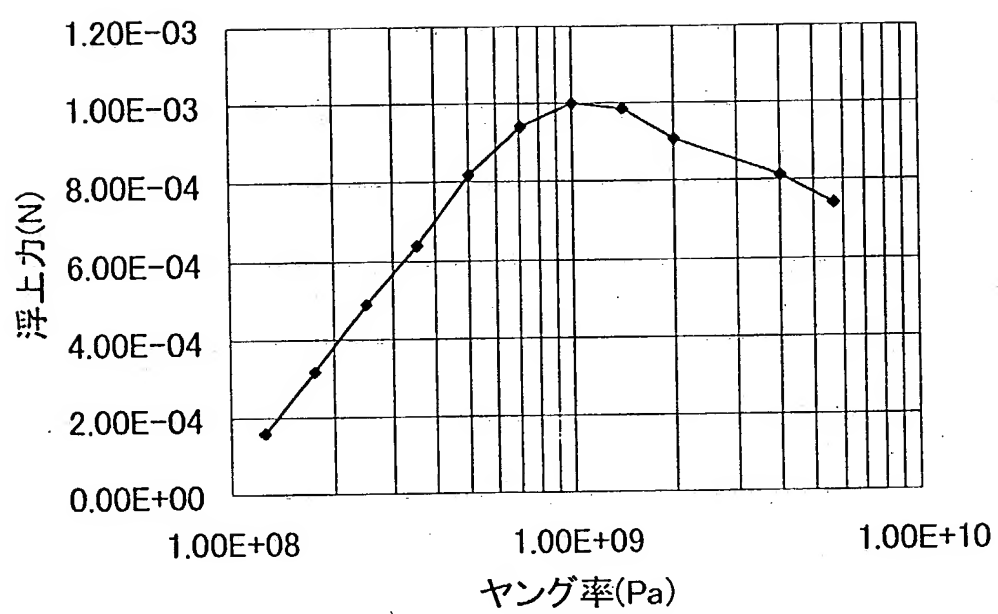
【图9】



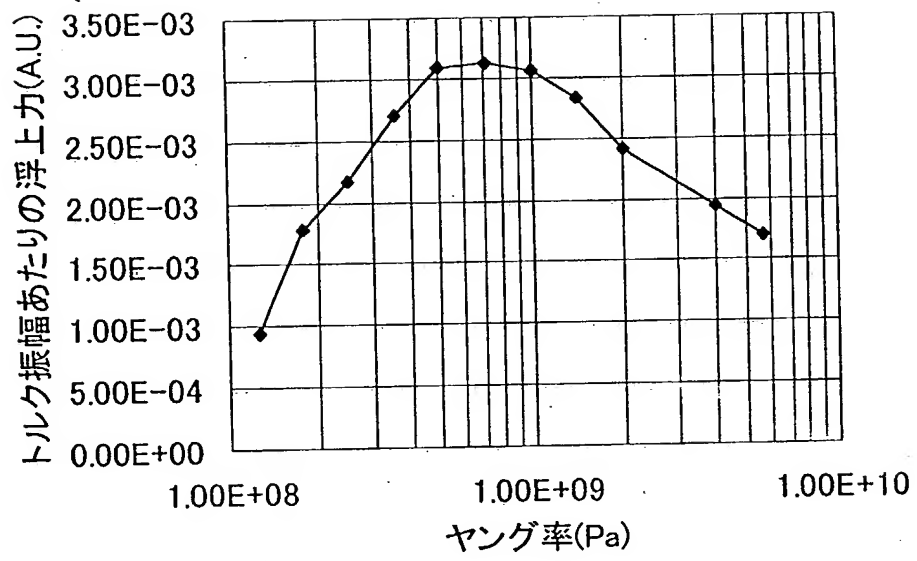
【図10】



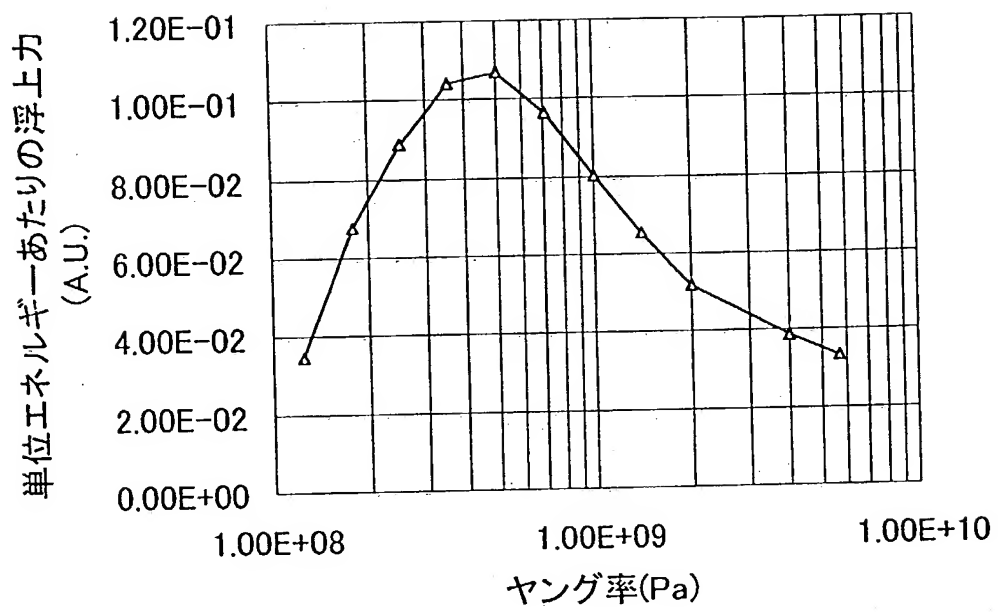
【图11】



【図12】



【図13】



【図14】

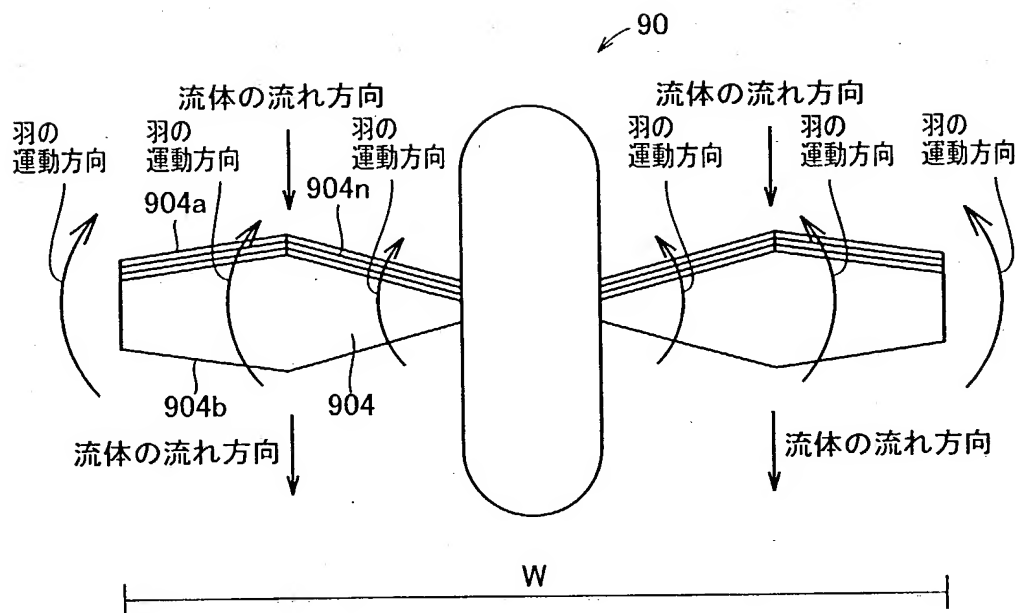


図15

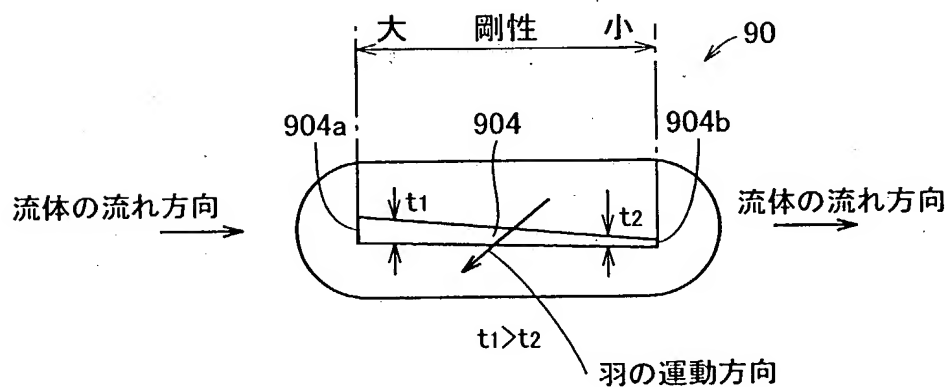


図16

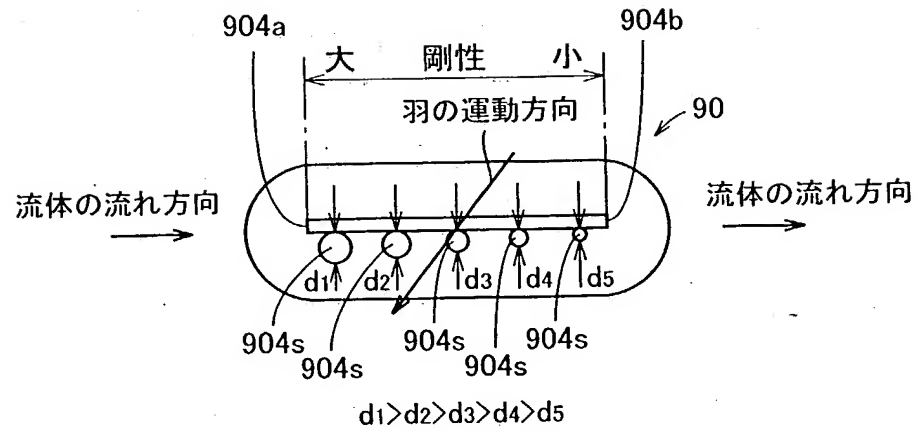


図17

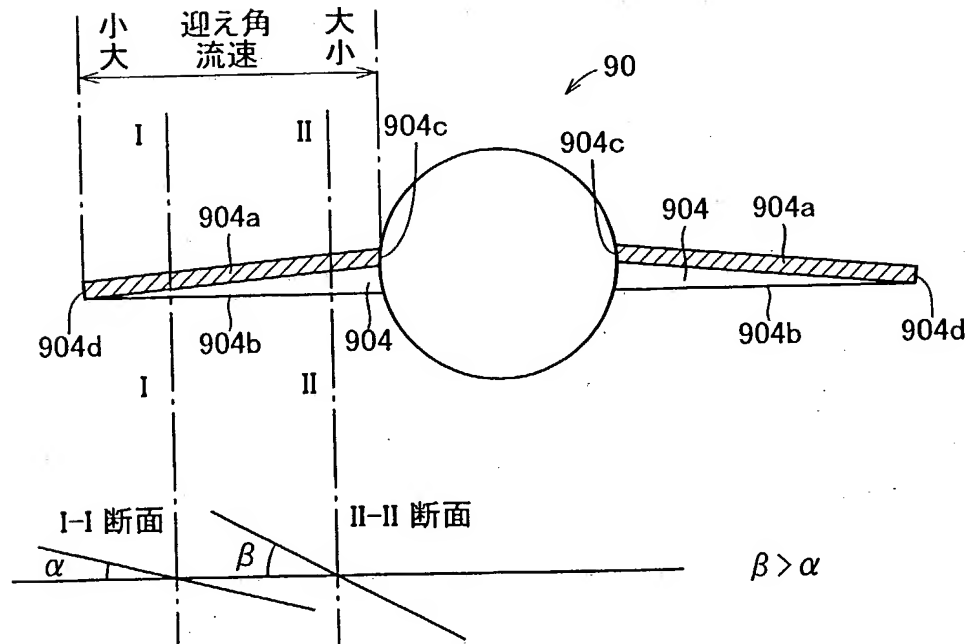


図18

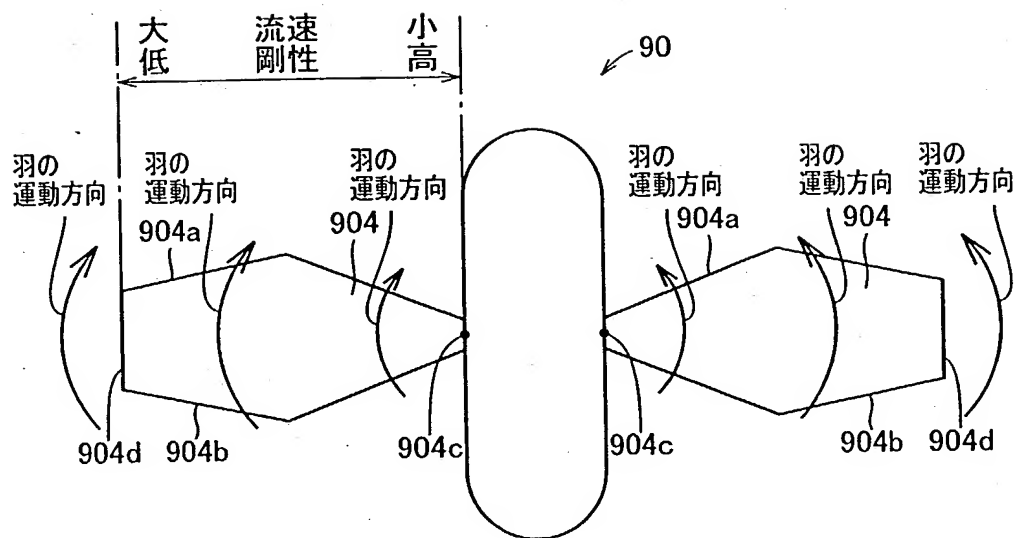


図19

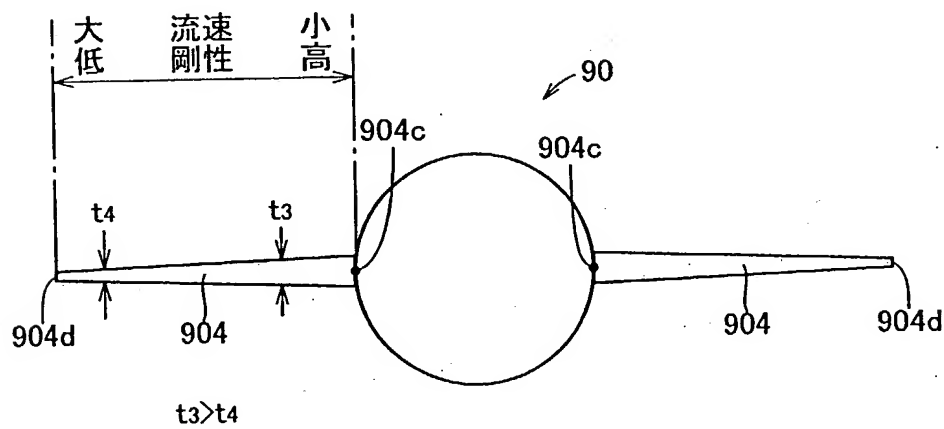


図20

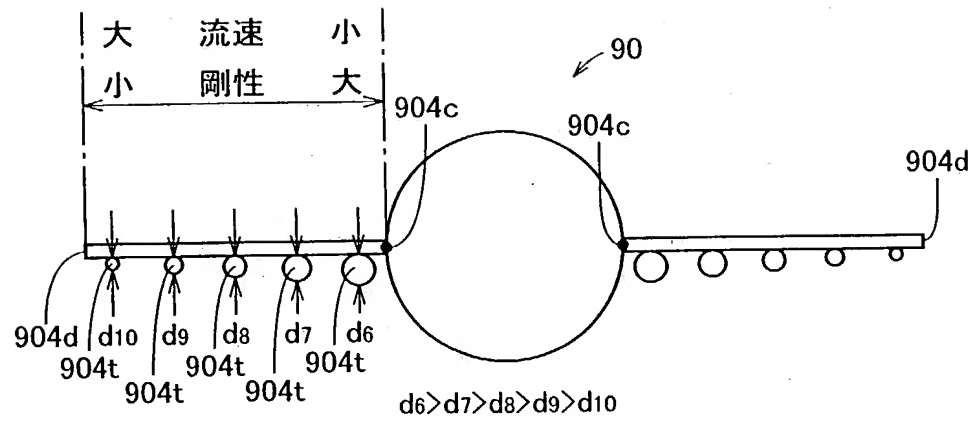


图21

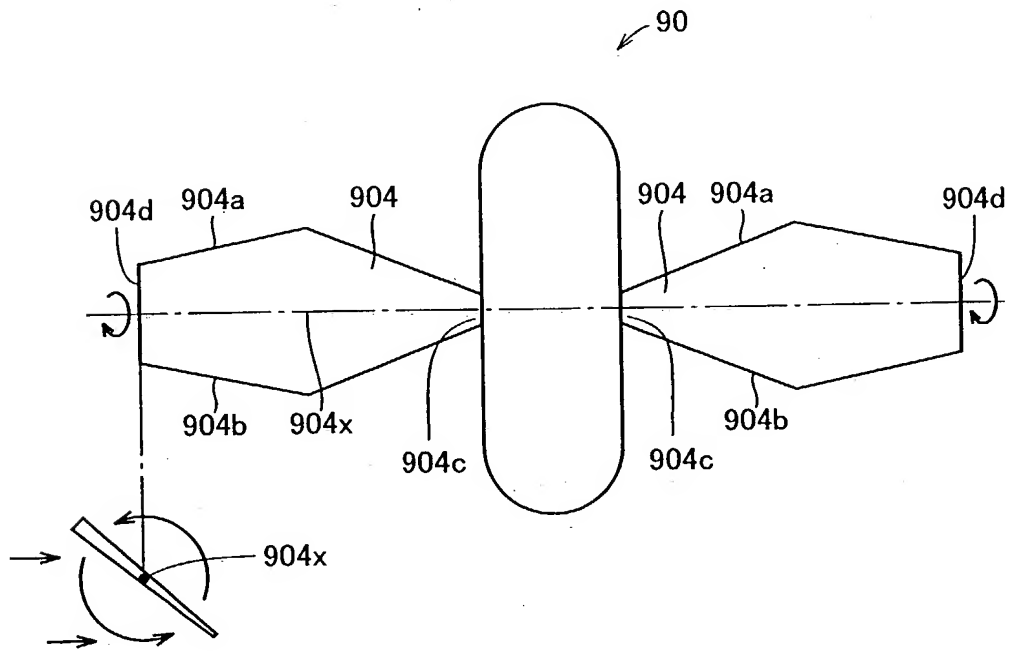


图22

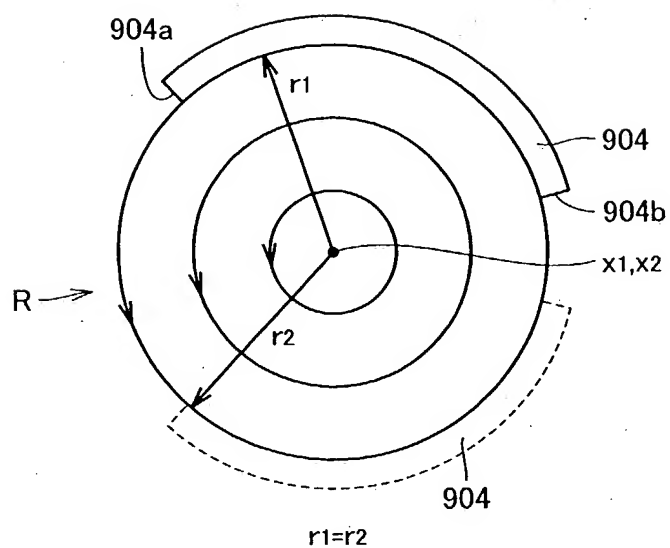


図23

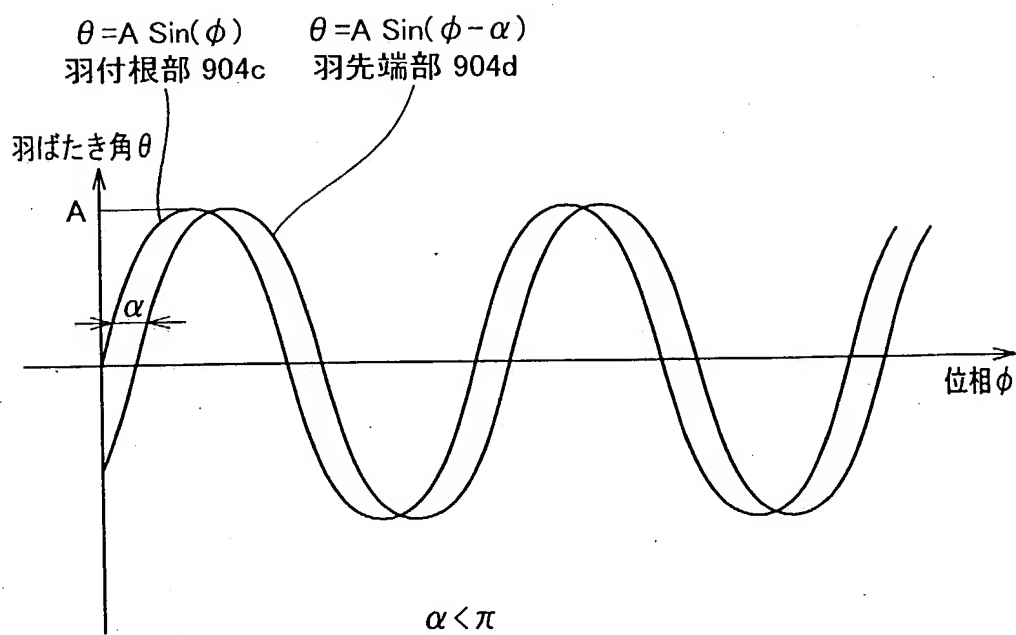


図24

~~01303712~~
~~(1011448)~~
~~担当 加藤~~

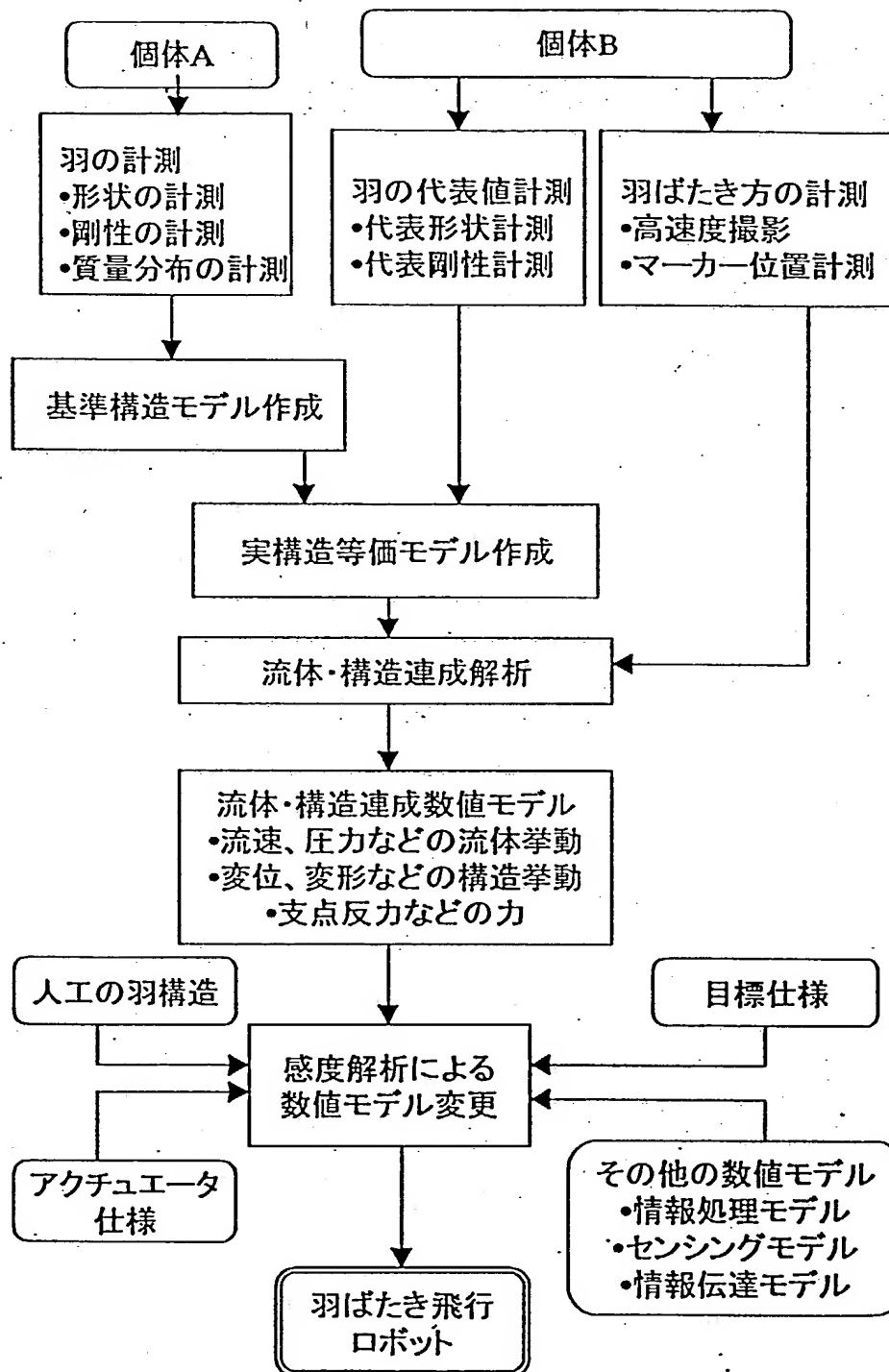


図25
図1

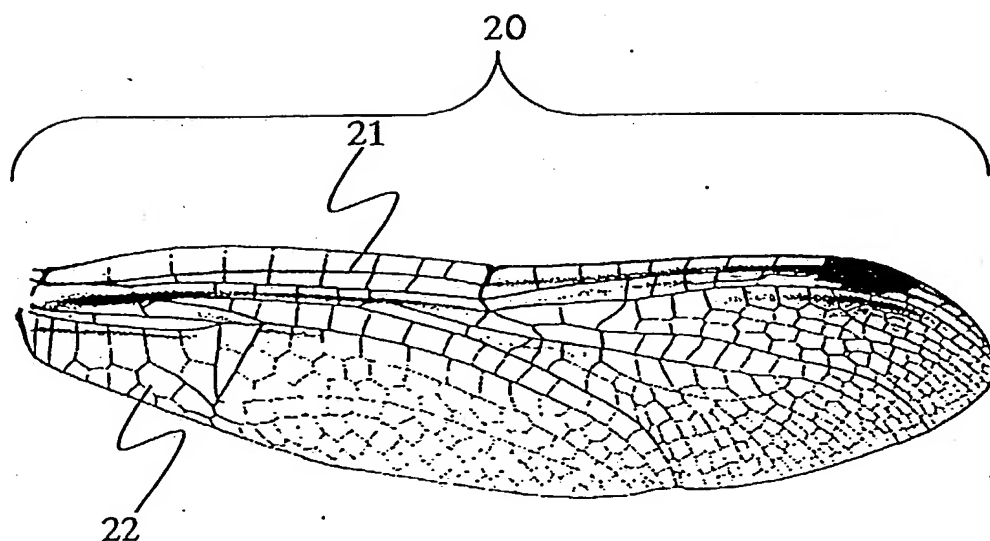


图26

~~图2~~

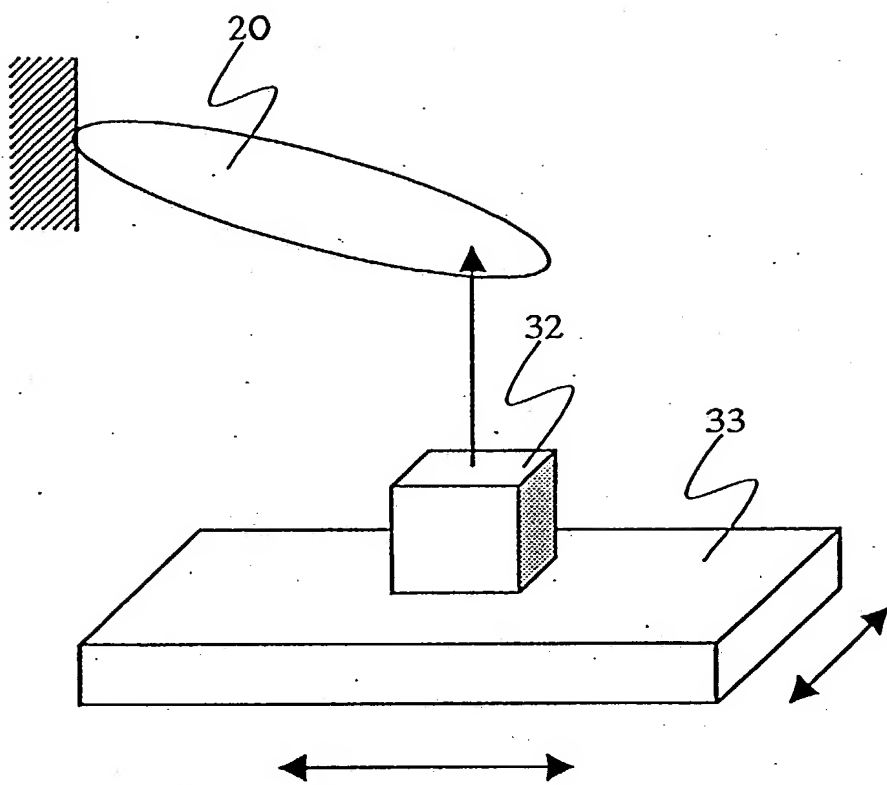


図27
~~図3~~

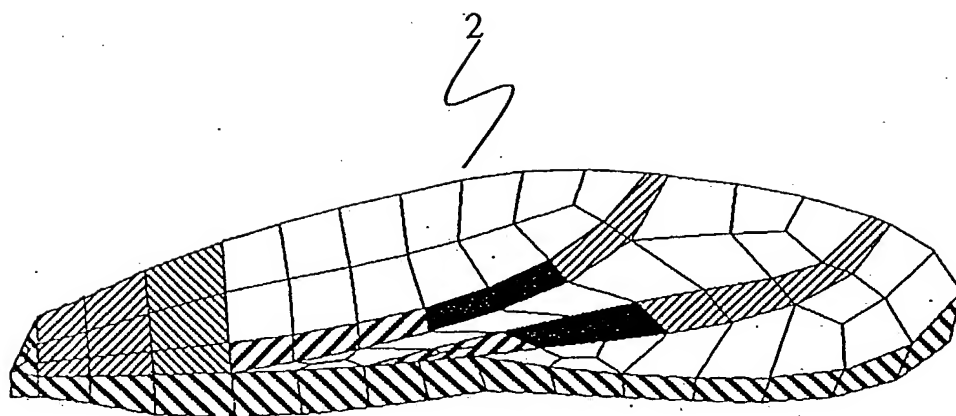
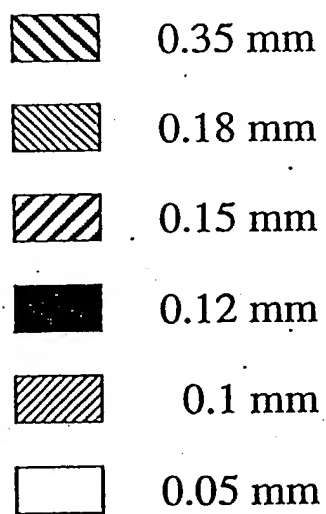


图18

~~图4~~



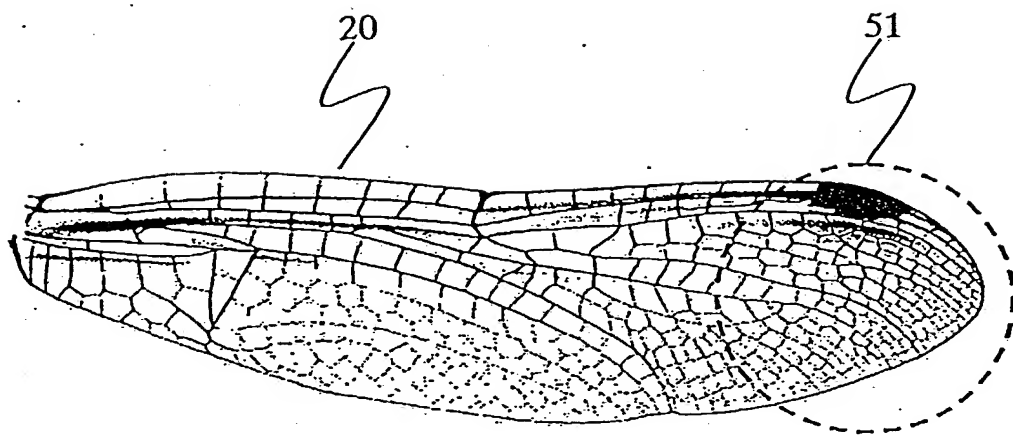


图29
图5

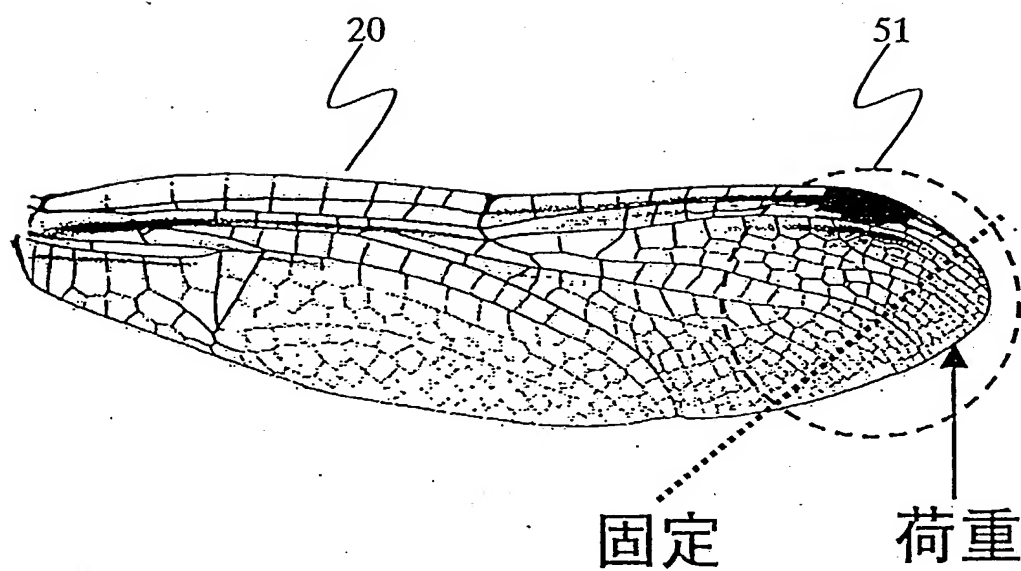


图30
图6

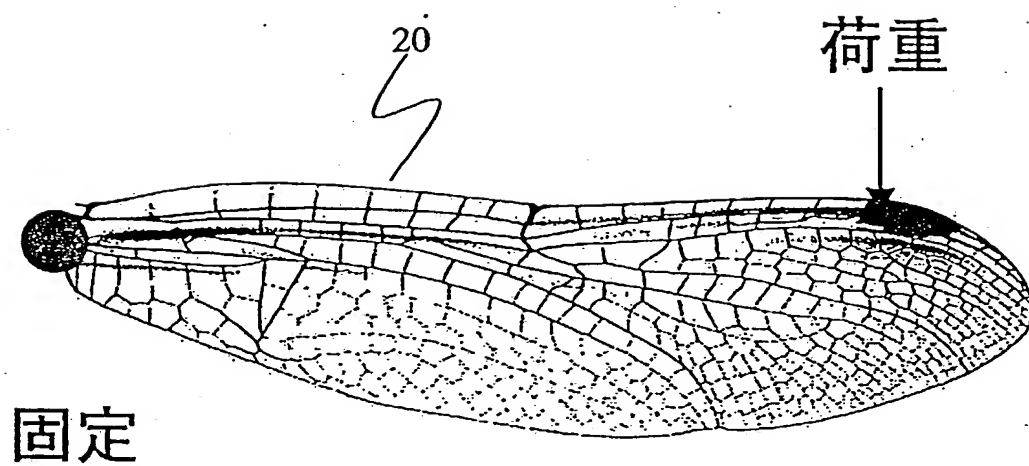


图31
图7

图11

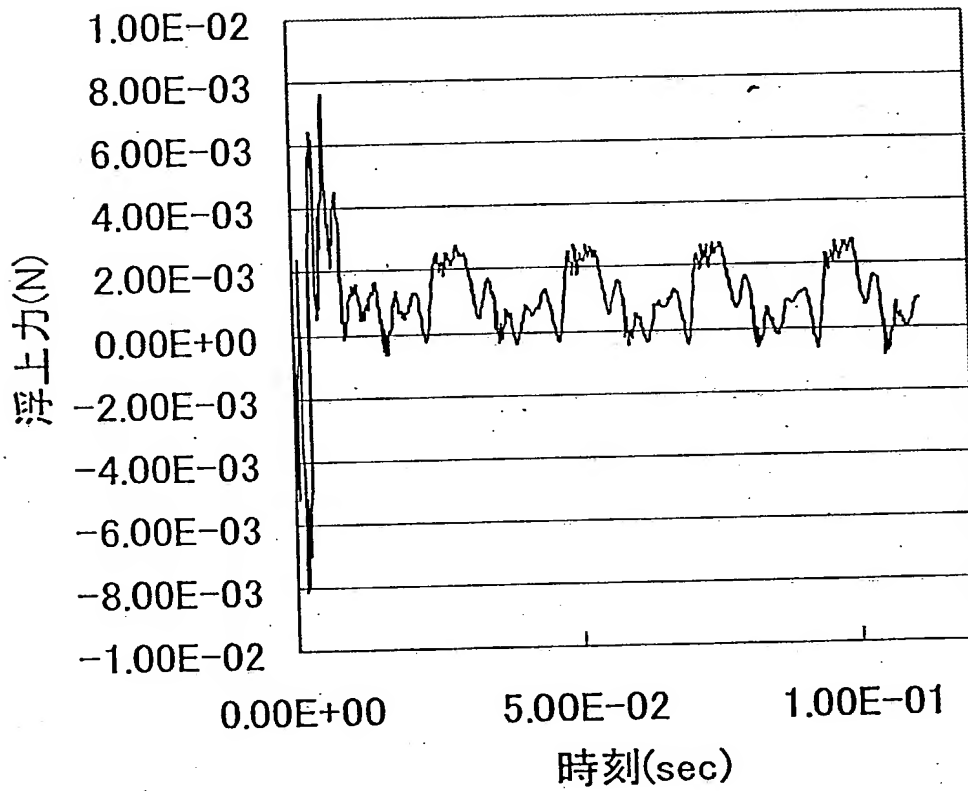
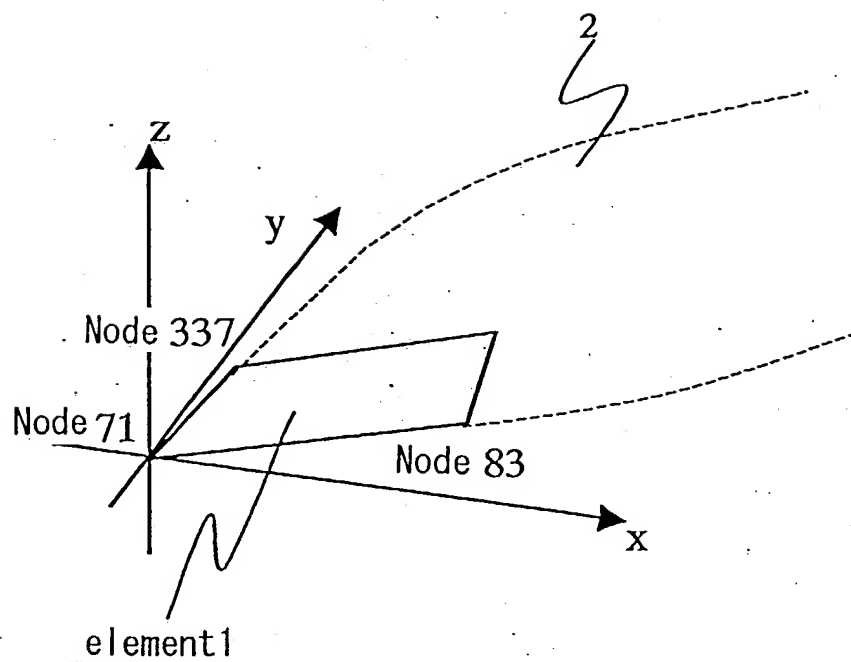


图32

~~图40~~

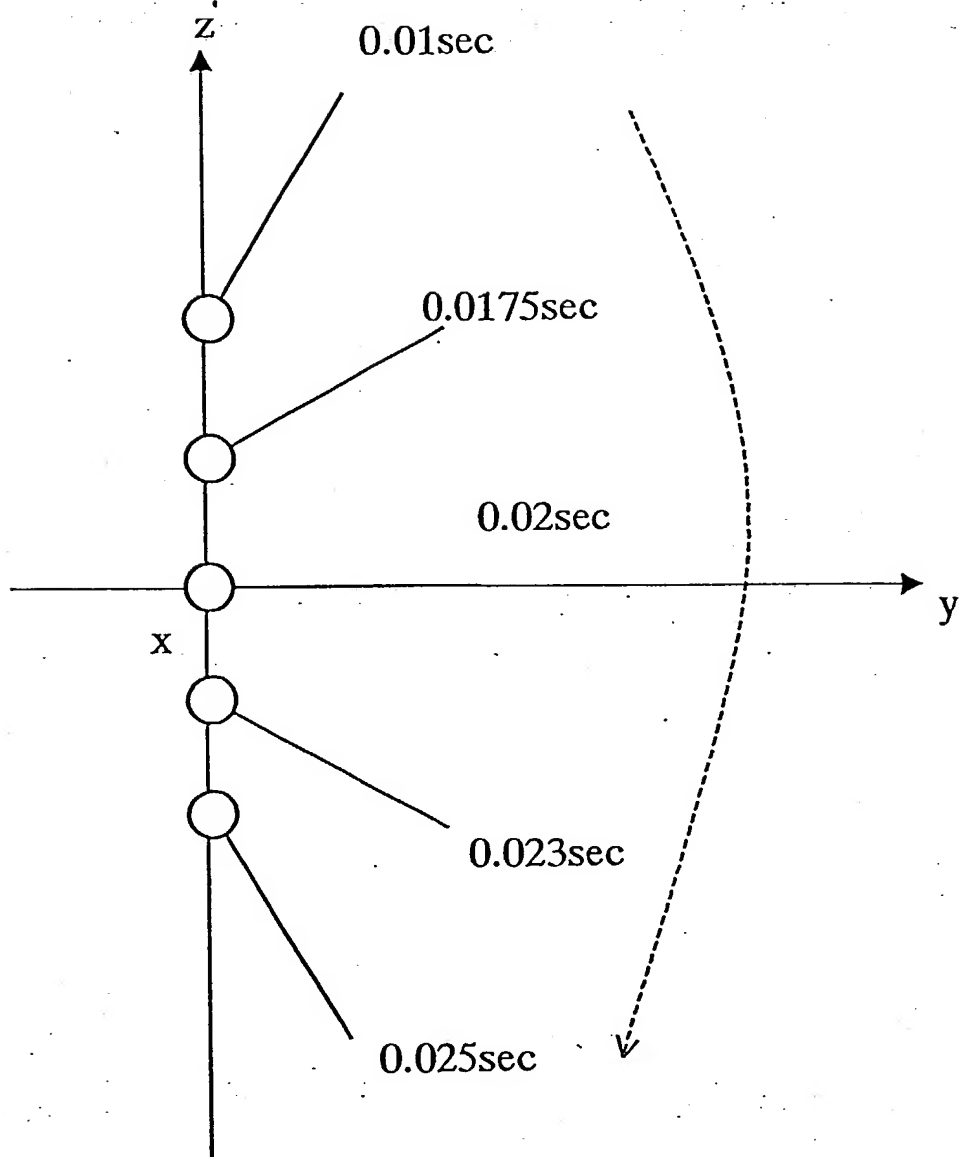
~~图47~~

~~图23~~



~~图 40~~

图 33



~~图44~~

图34

~~图17~~

图18

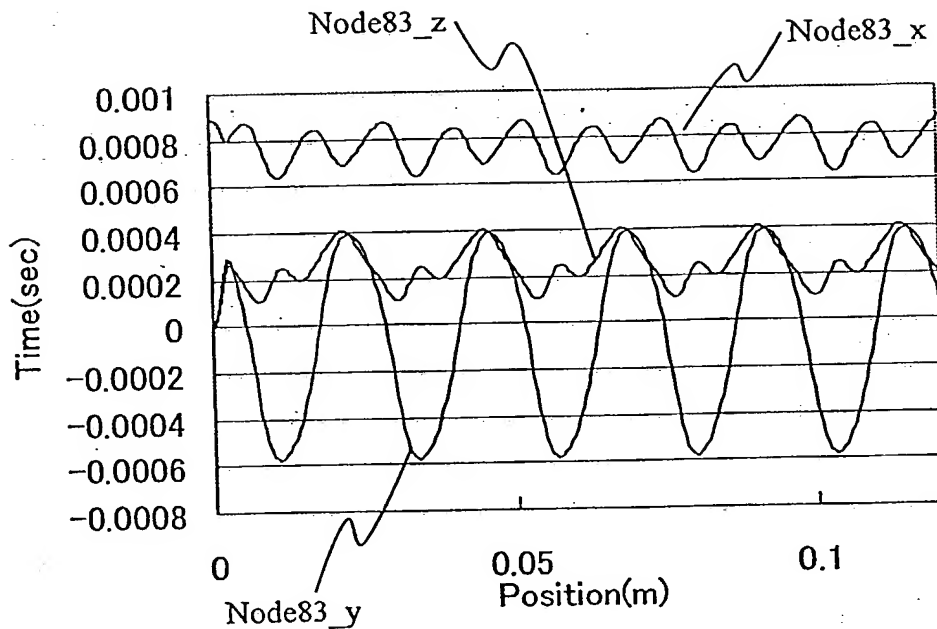


图35

图41

图48

图24

图19

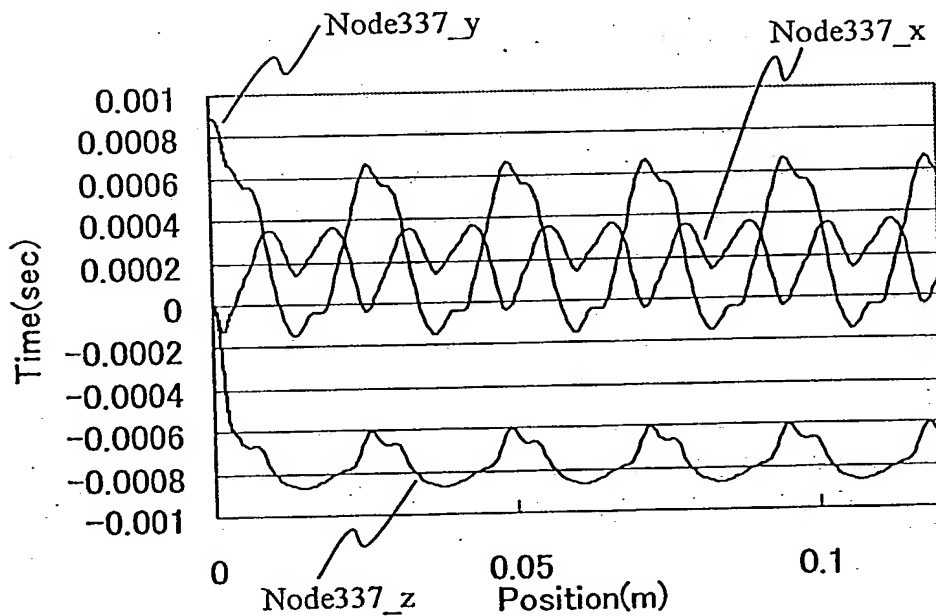


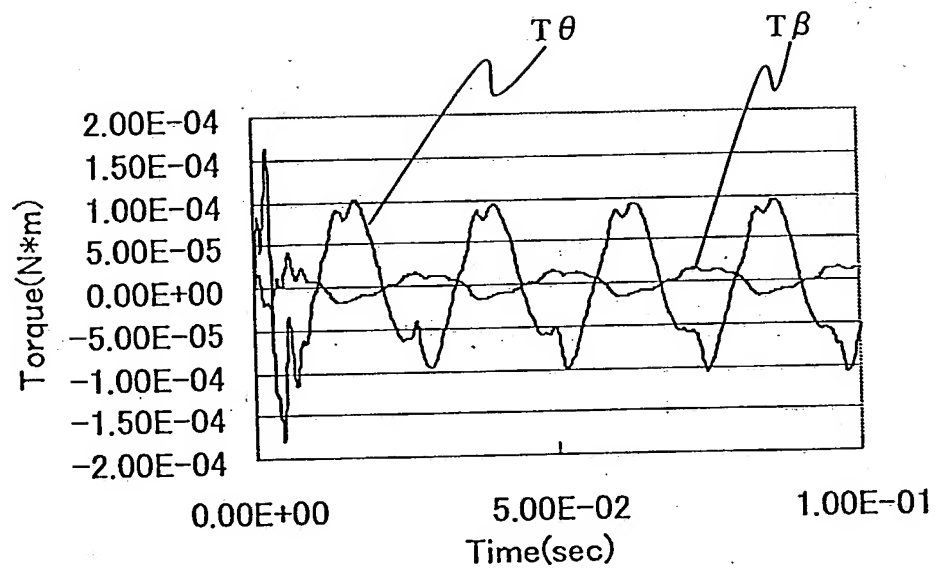
图36

图42

图44

图25

~~图20~~



~~图37~~

~~图43~~

~~图50~~

~~图26~~

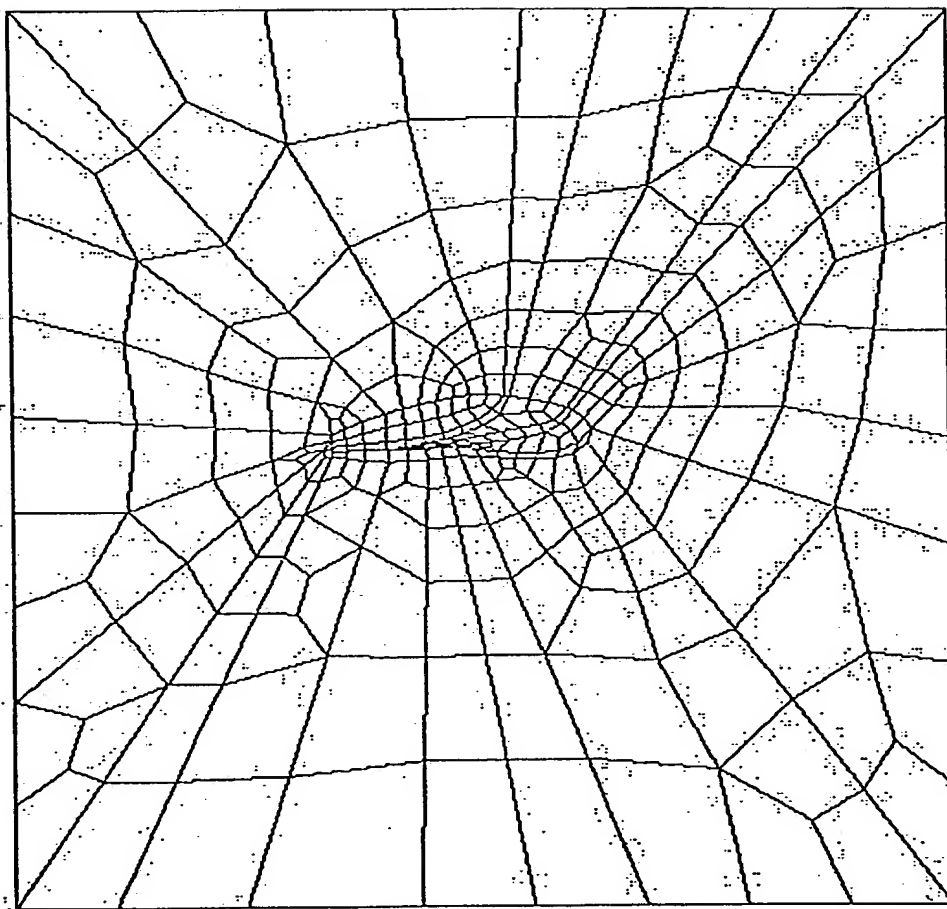


图38
~~图6~~
~~图32~~
~~图8~~

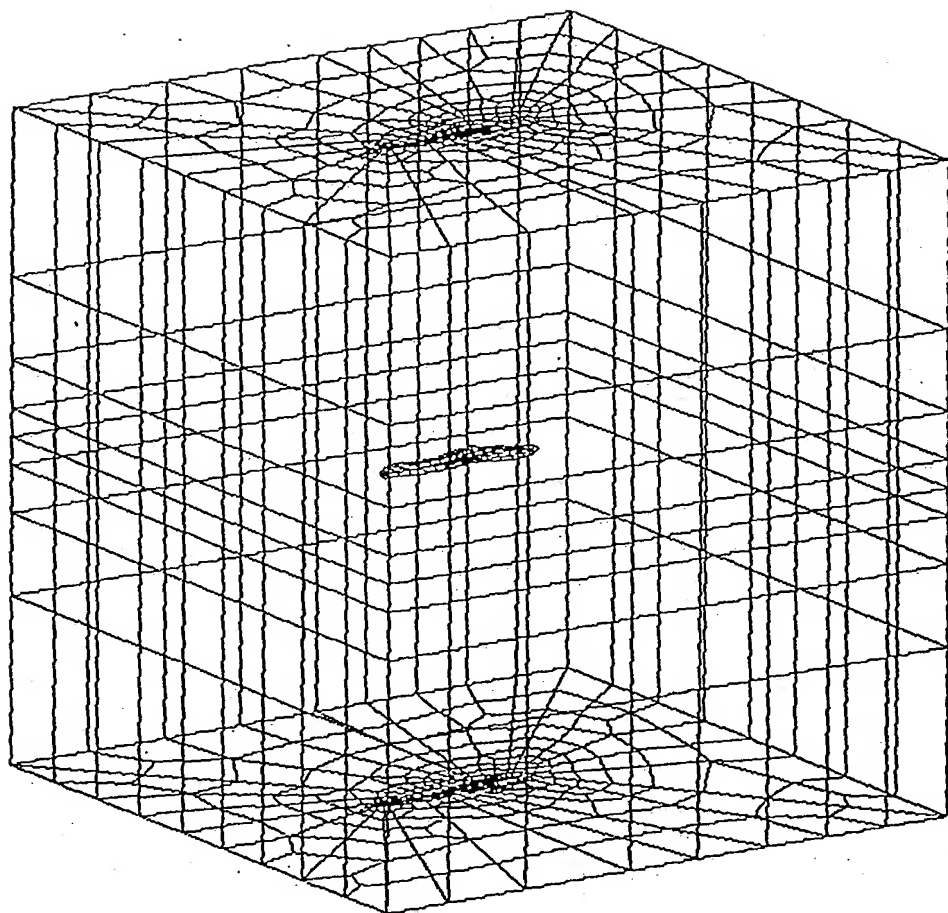


图39
~~图7~~
~~图23~~

支点反力の
垂直成分(N)

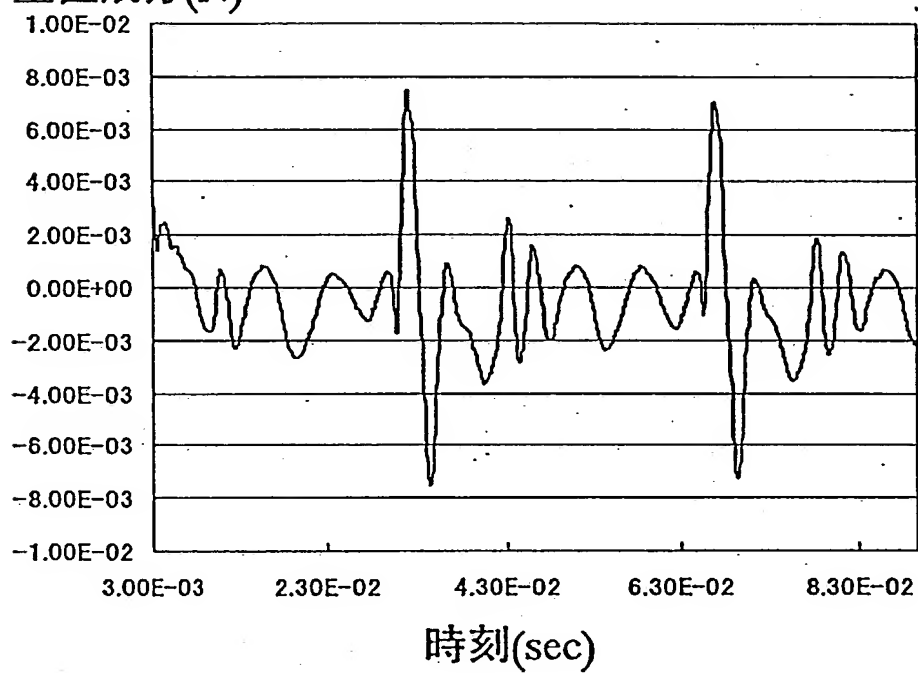


図40
~~図32~~
~~図35~~
~~図4~~

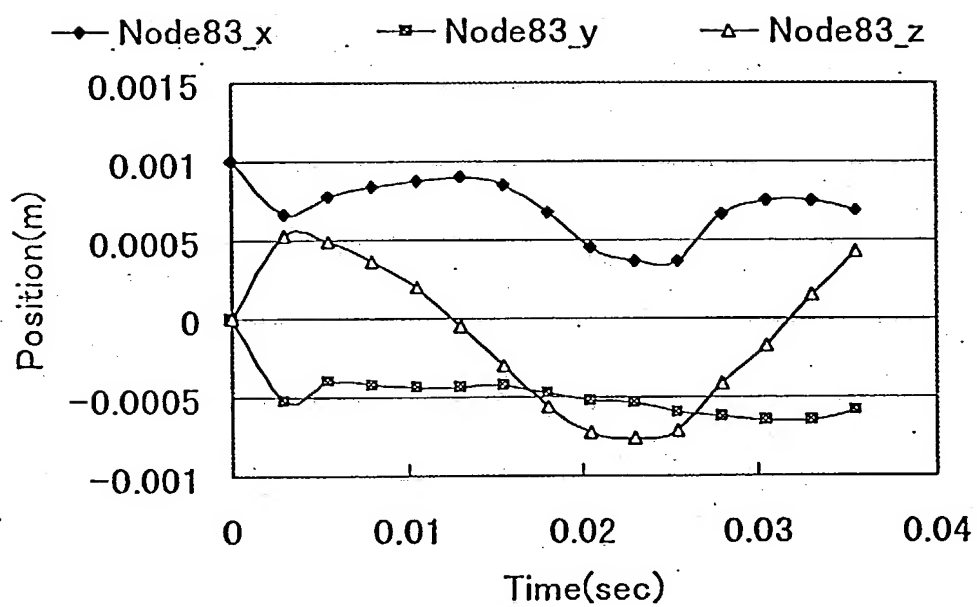
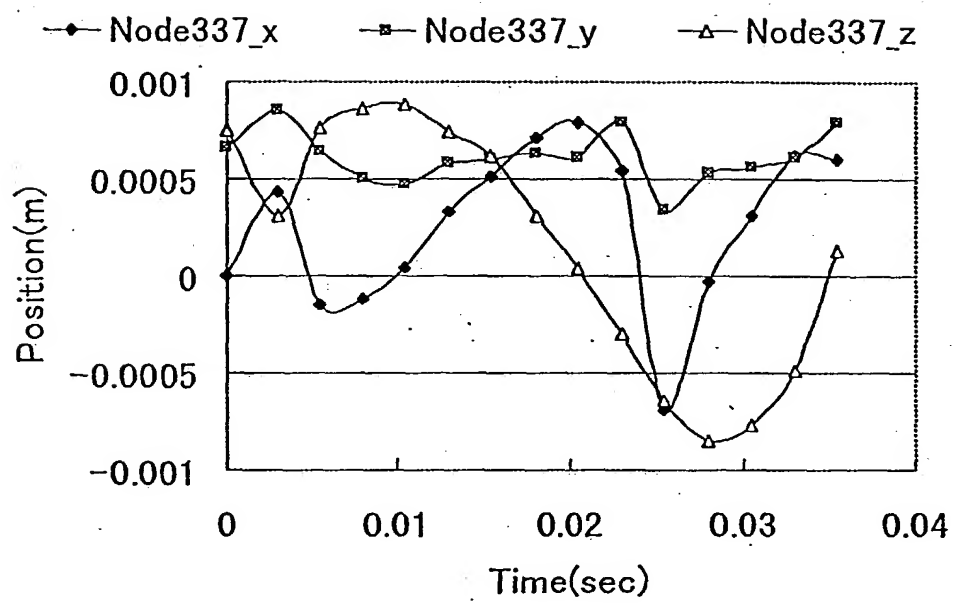


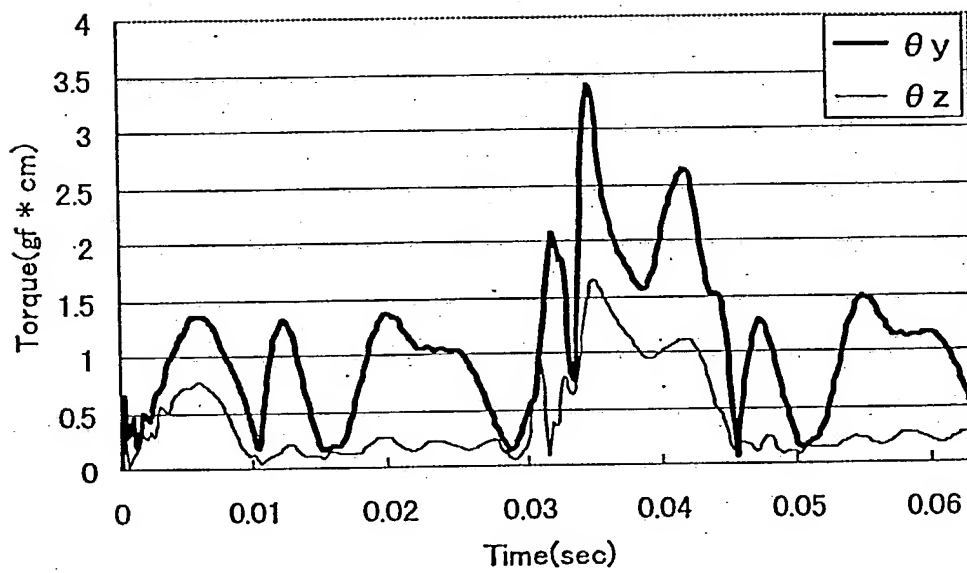
图42

图43

图41



42
~~36~~
~~43~~



~~図43~~
~~図37~~
~~図44~~

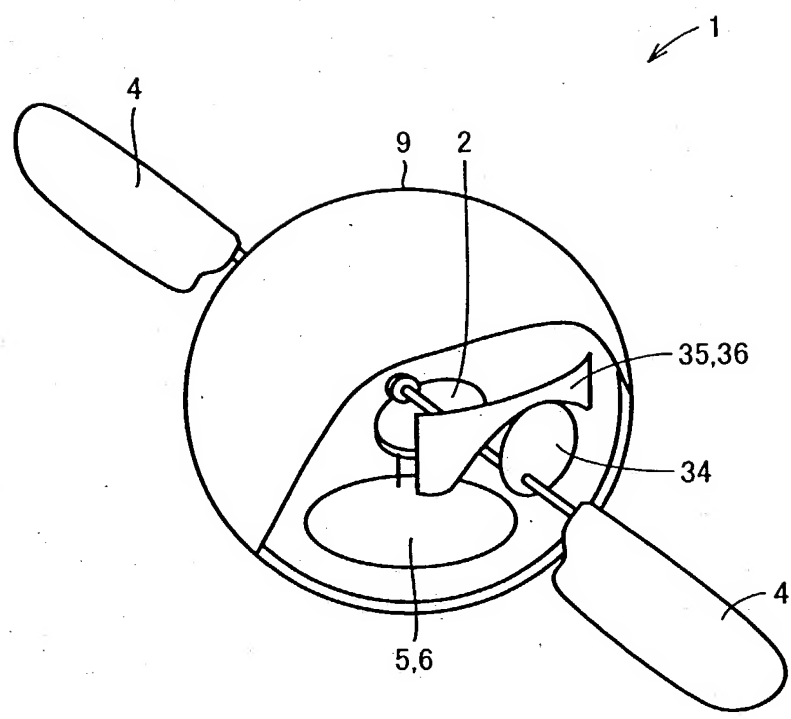
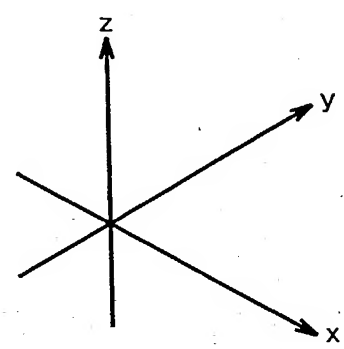
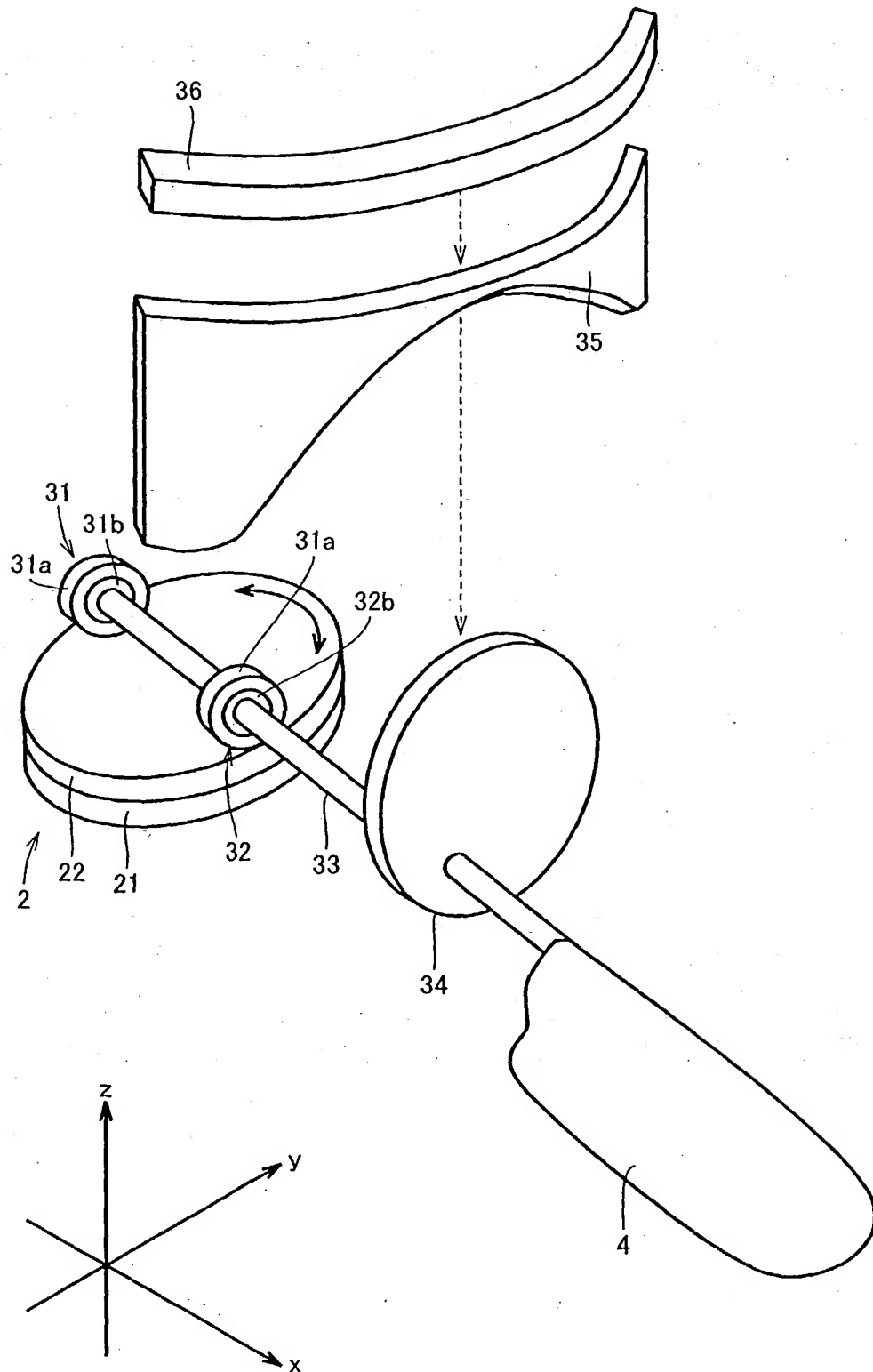


図44
~~図~~





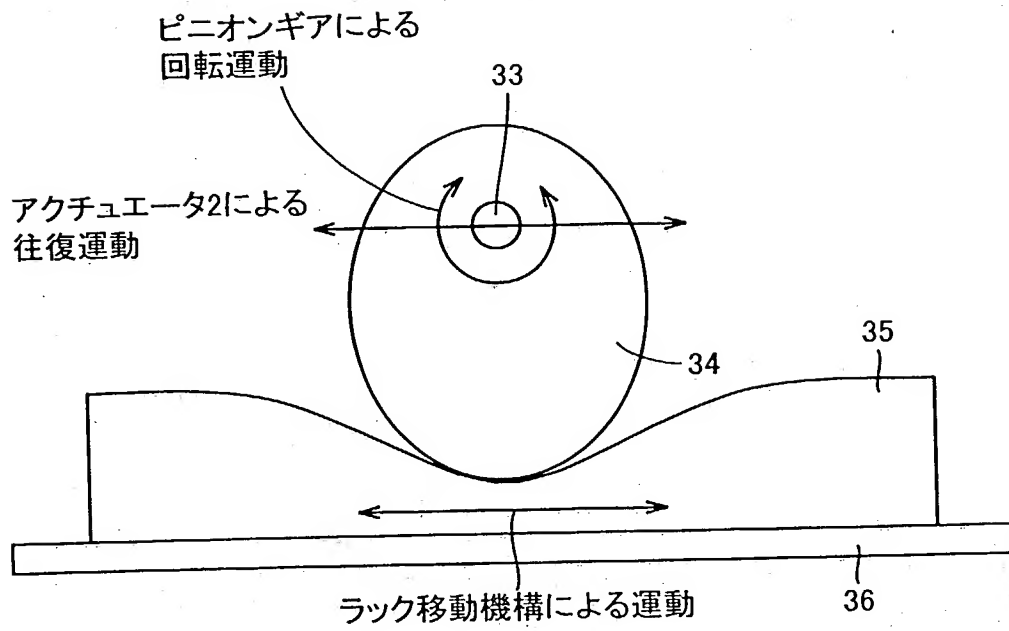


図46
~~図3~~

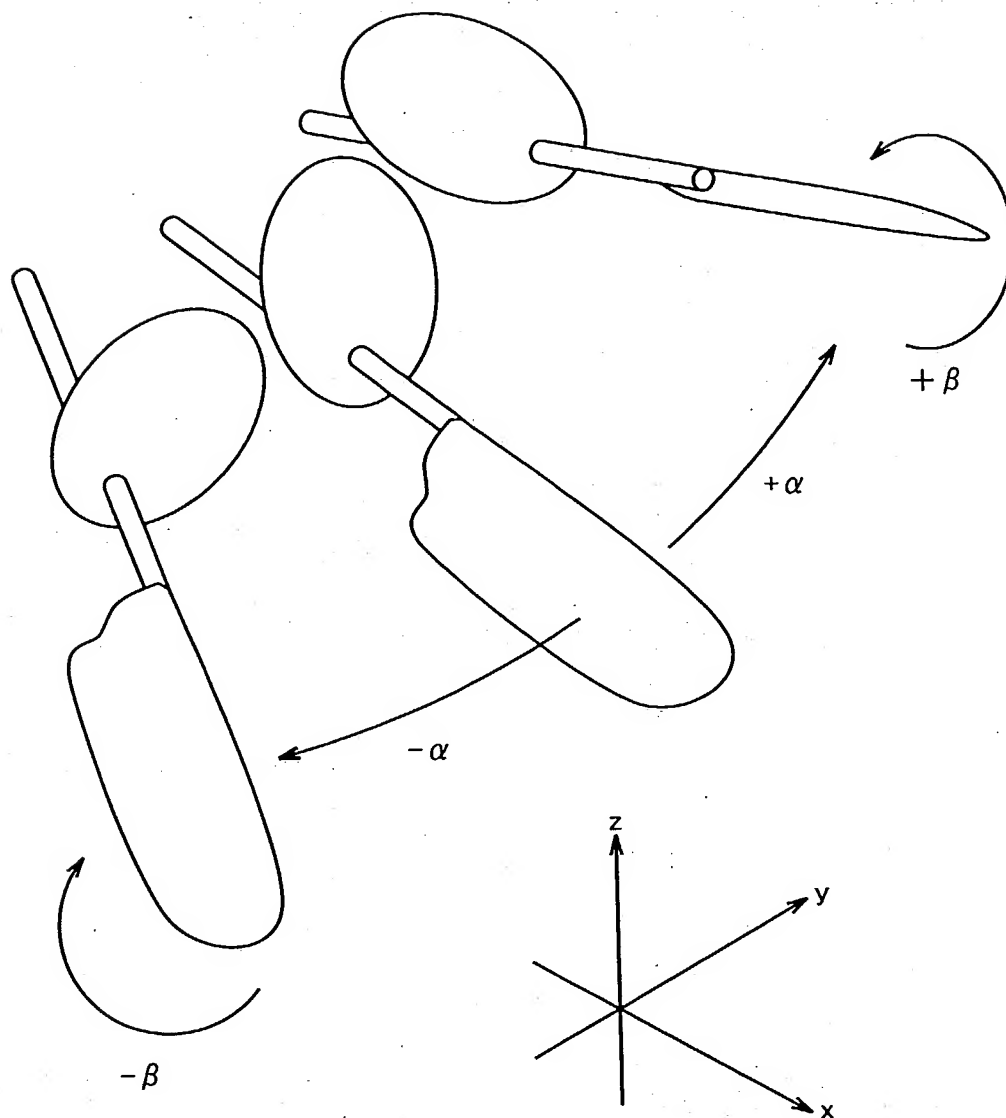


图47

~~图47~~

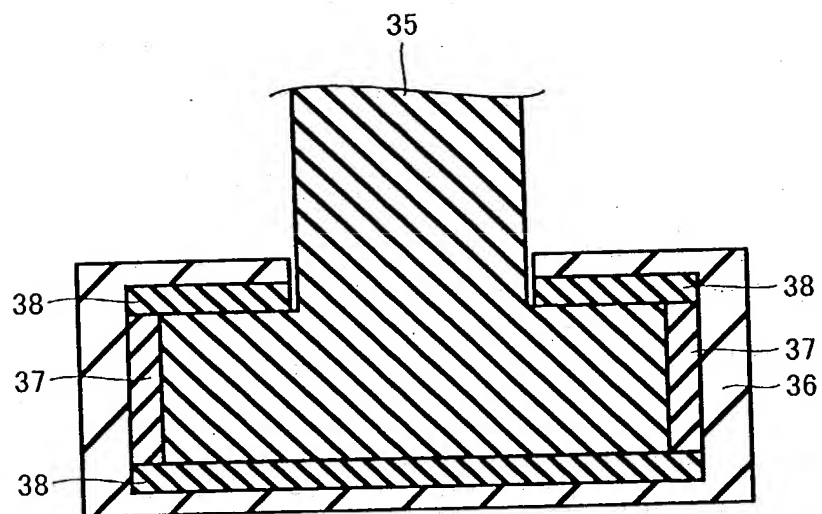
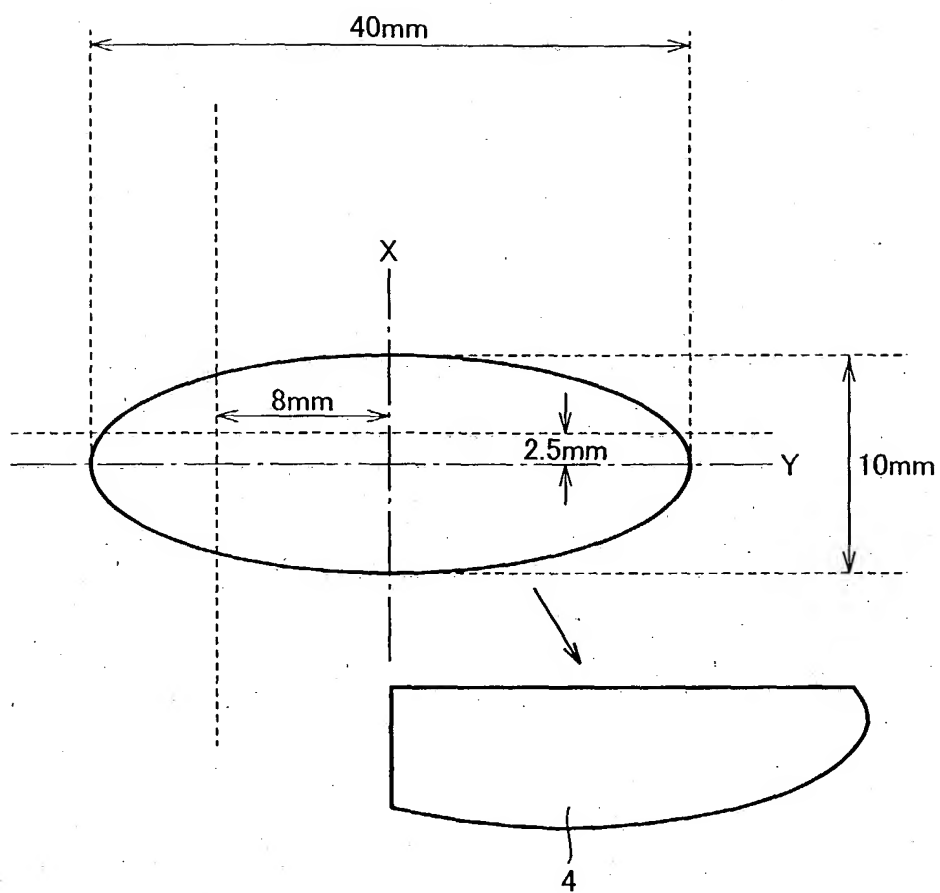


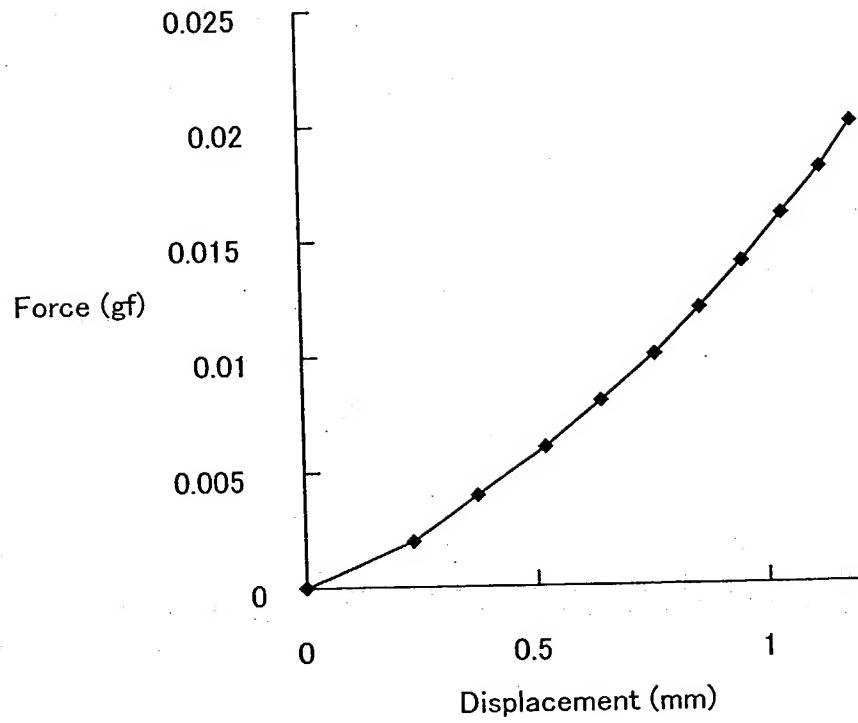
图48

~~图5~~



49

~~46~~



50

7

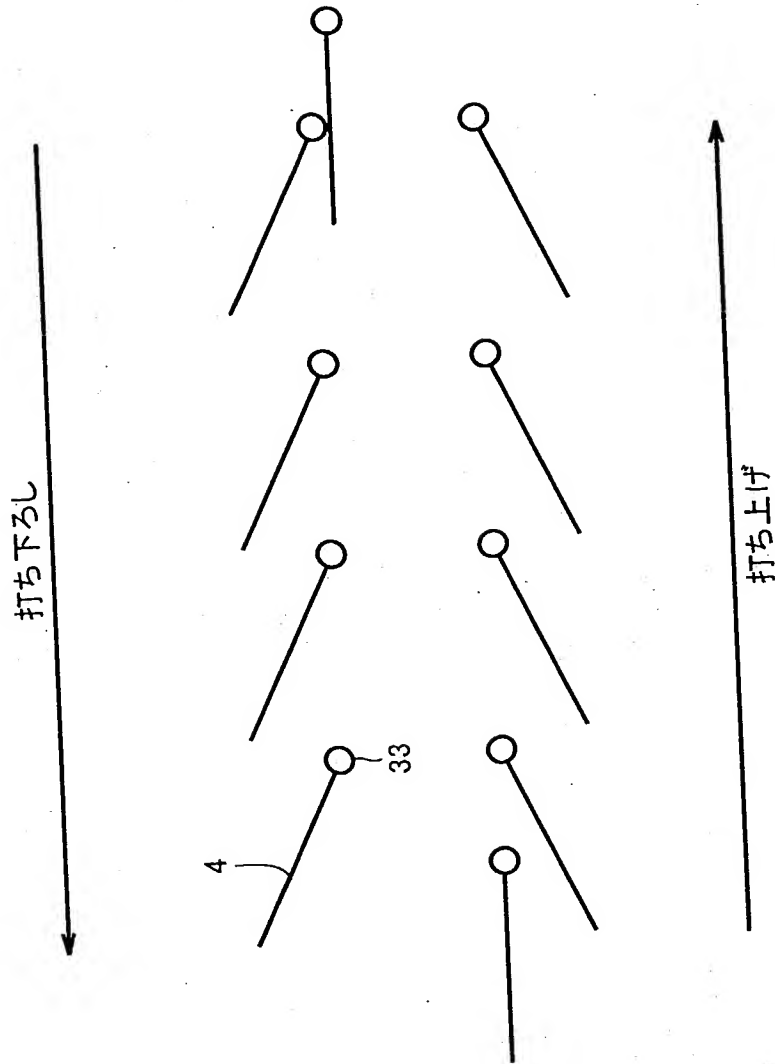
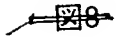


図51



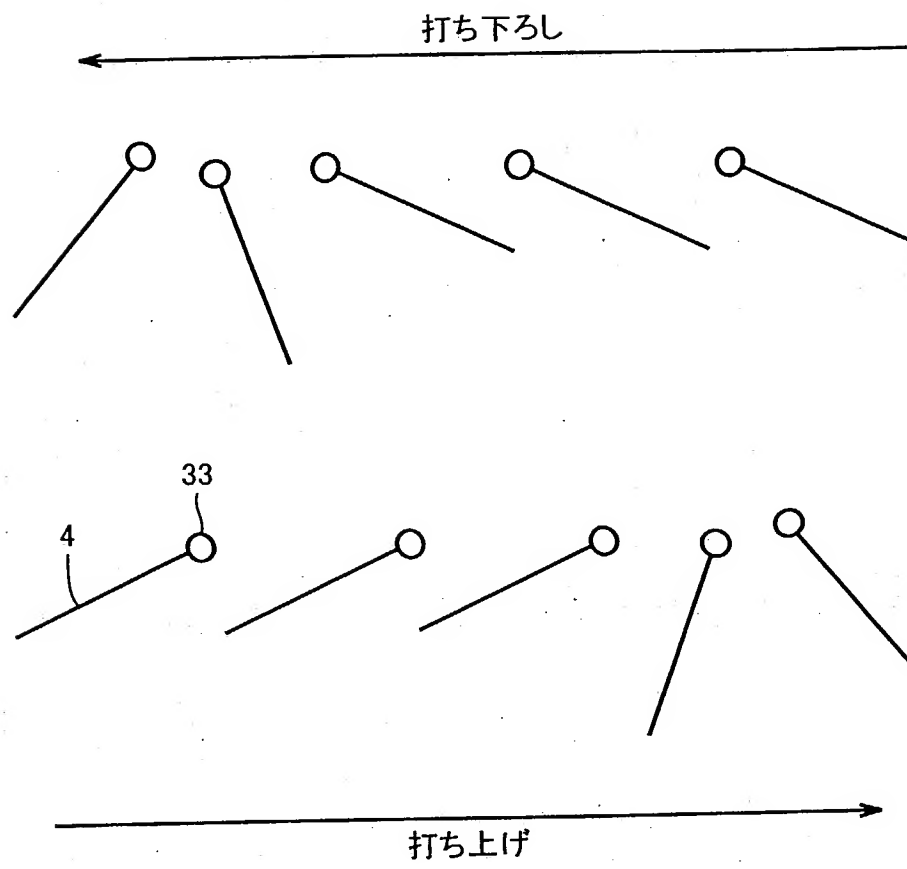


図52

~~図52~~

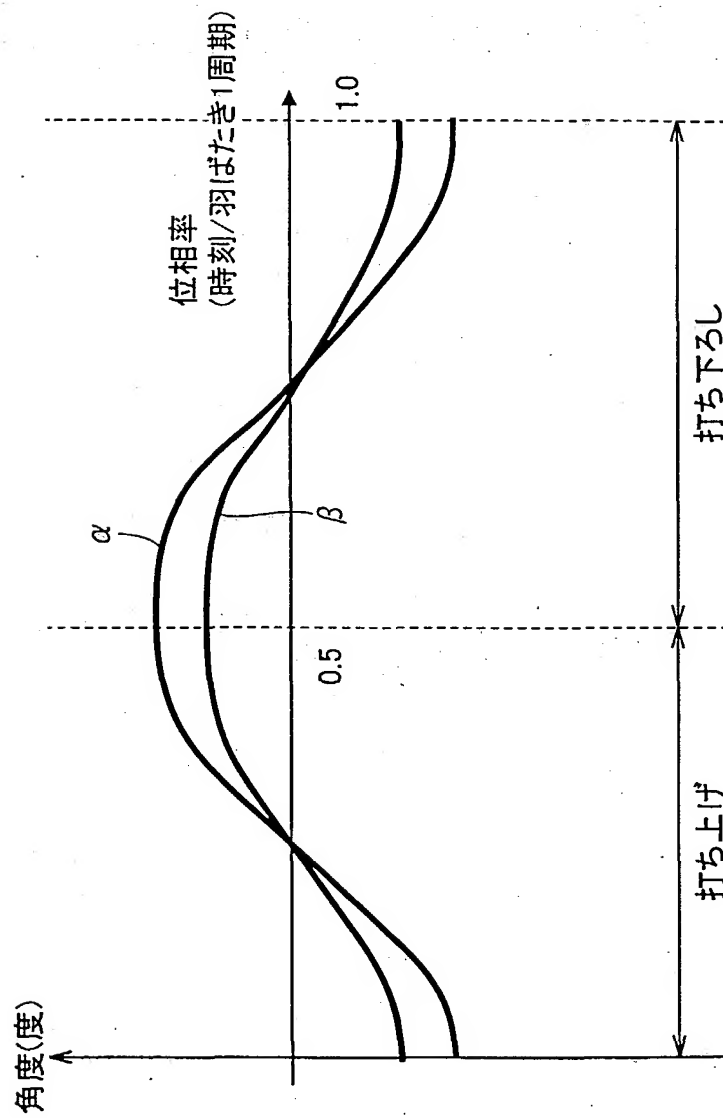


図53

~~図10~~

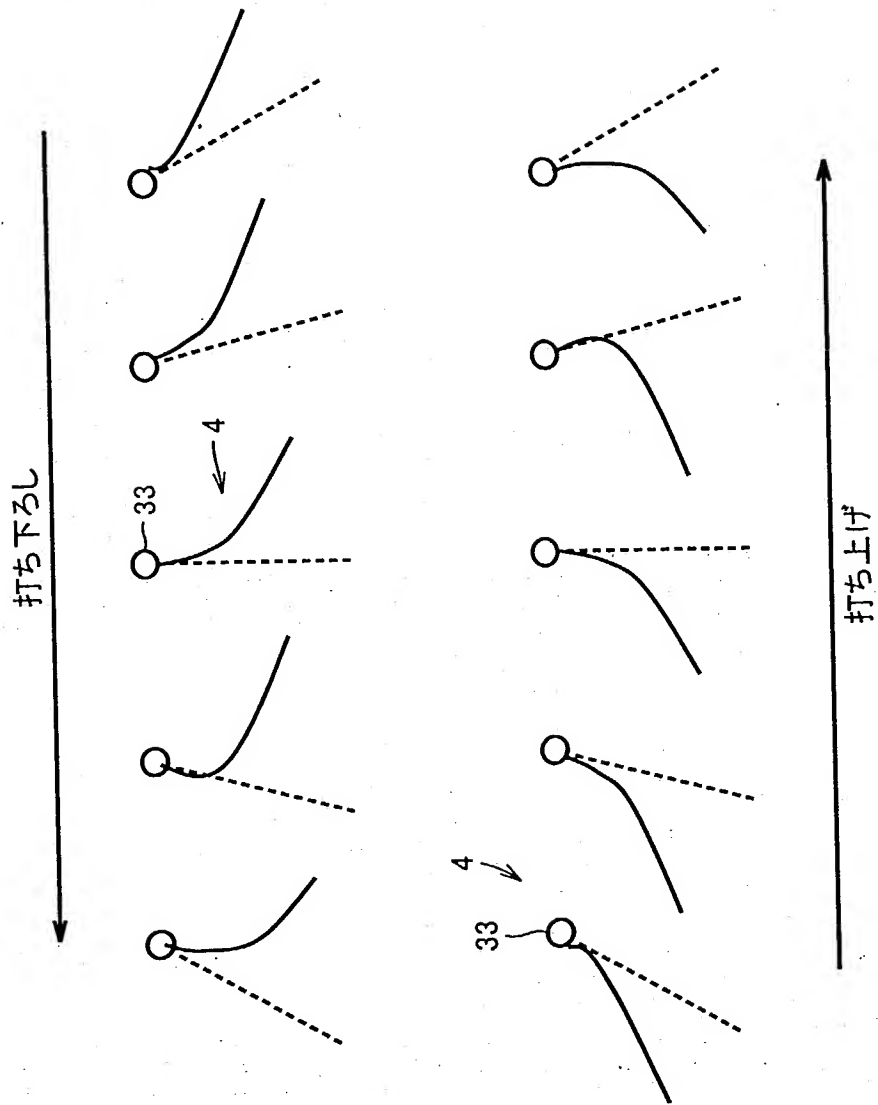


図54

11

羽の往復運動

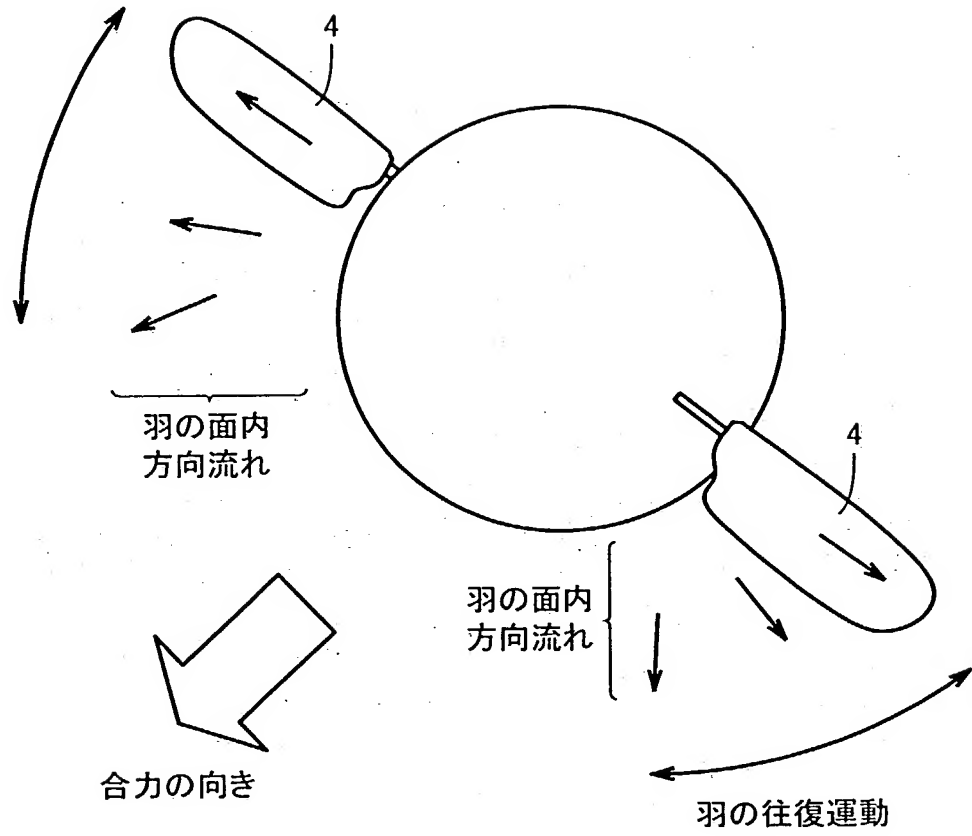


図55
~~図12~~

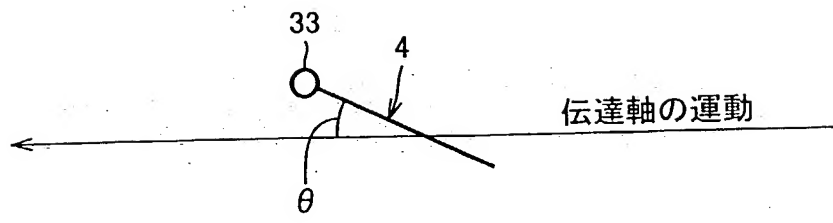


図56
~~図13~~

打ち下ろし

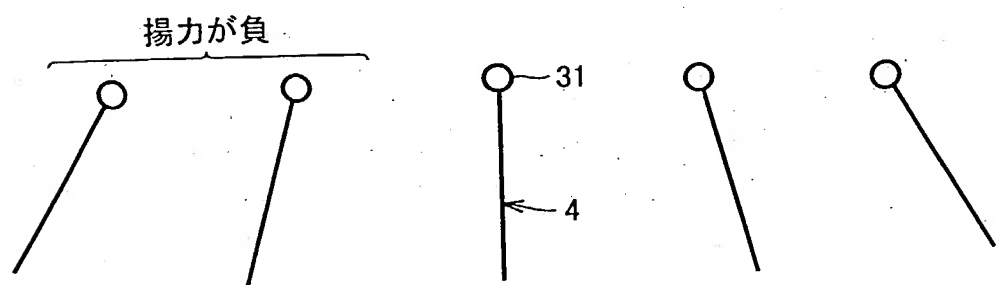
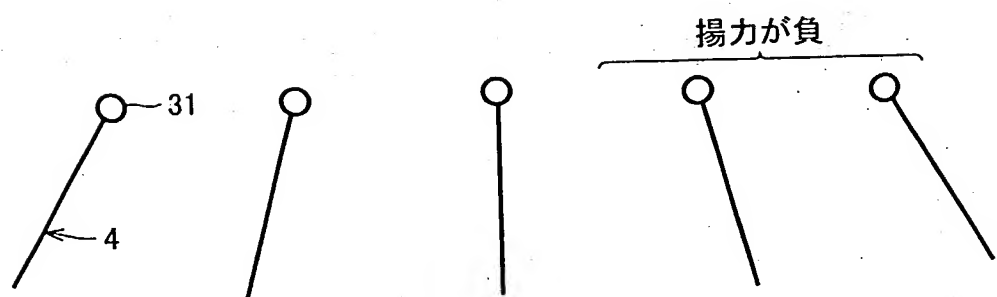
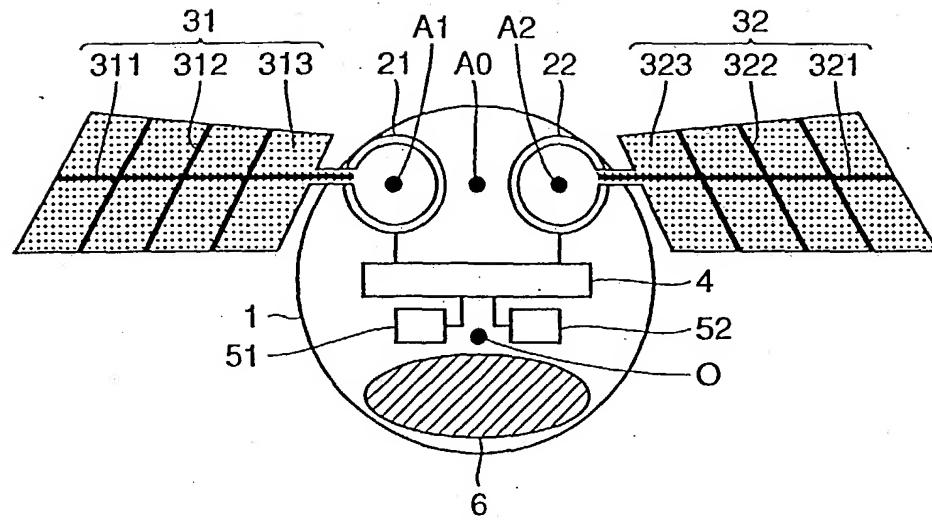


図57
~~図14~~



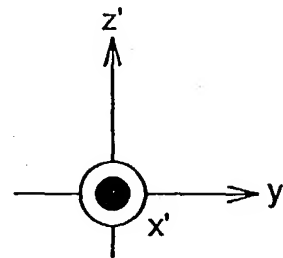
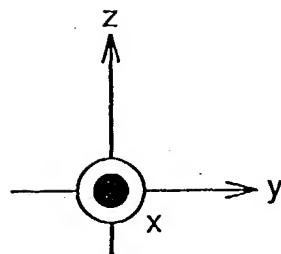
打ち上げ



58

~~67~~

~~17~~



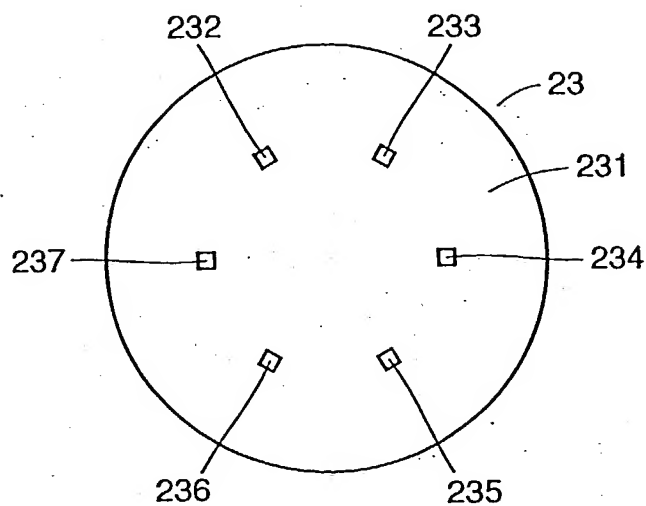


图59
~~图68~~
~~图18~~

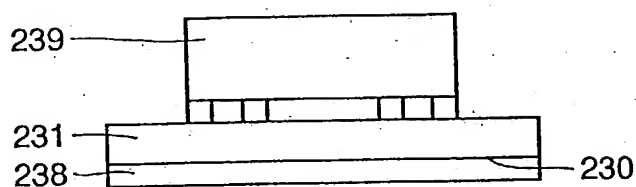


图60
~~图69~~
~~图19~~

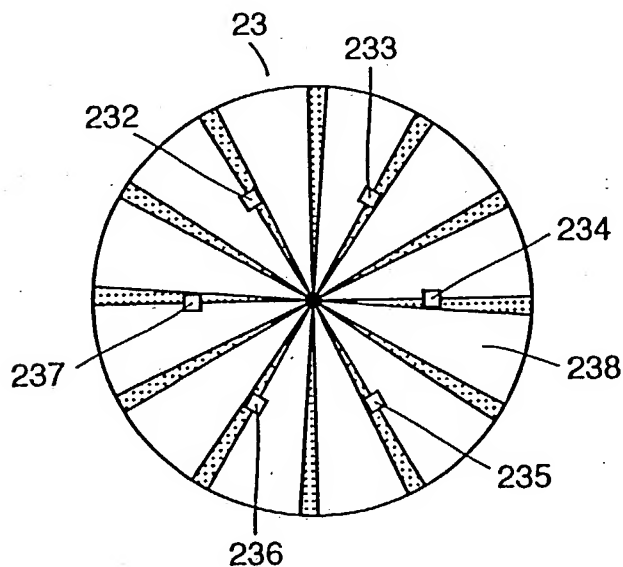


图61
~~图70~~
~~图20~~

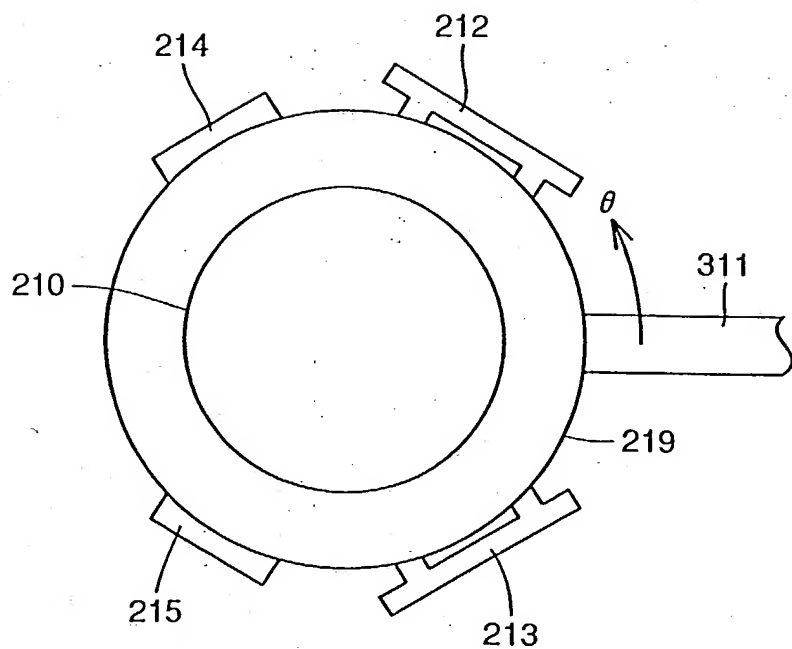


图62

~~图71~~

~~图21~~

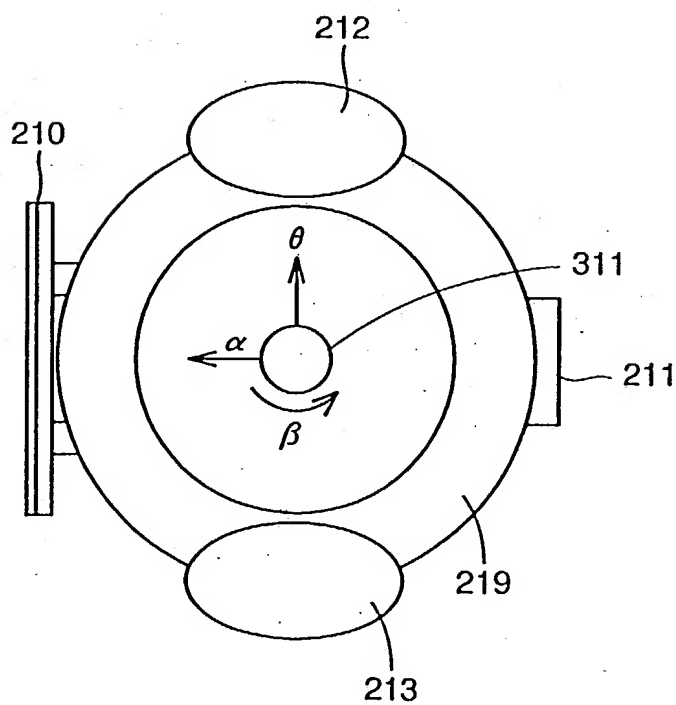


图63

~~图72~~

~~图22~~

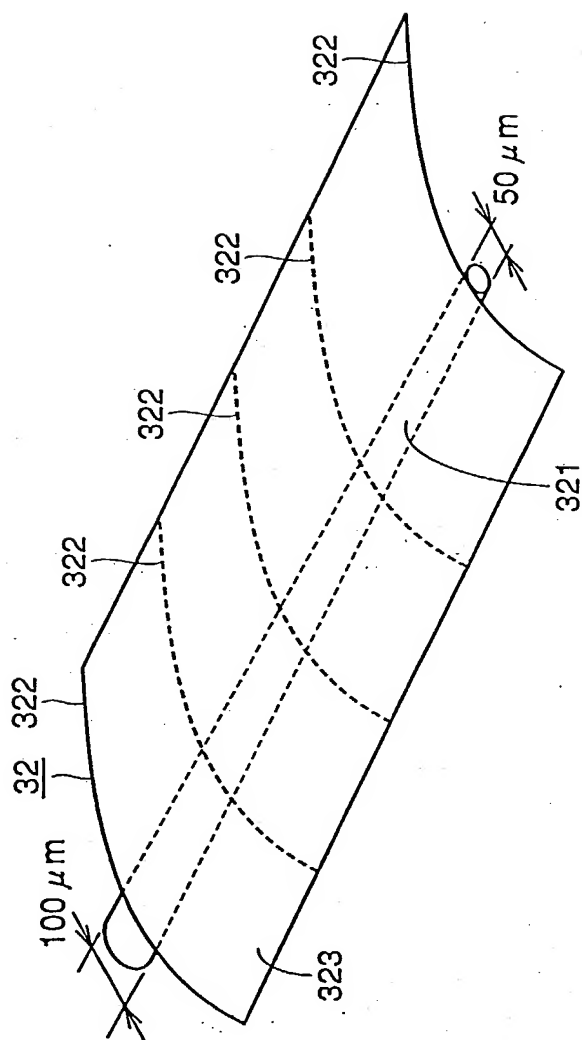


图 64

~~图 70~~

~~图 23~~

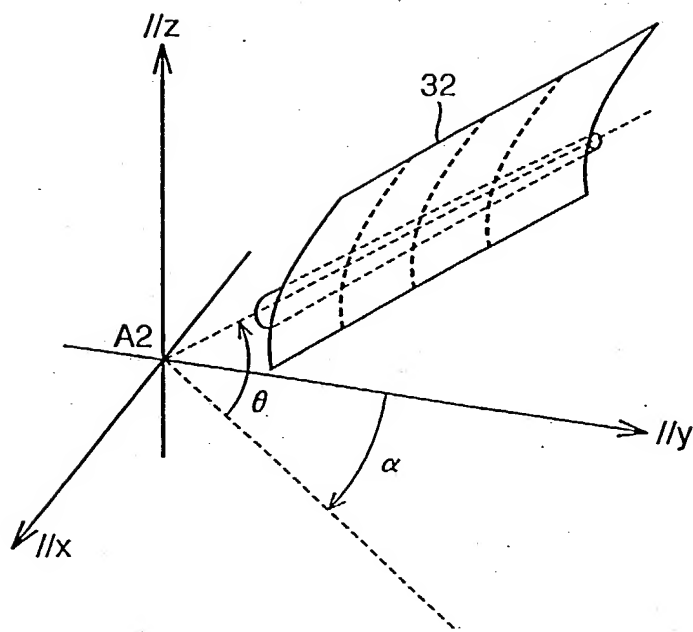


图65

~~图74~~

~~图24~~

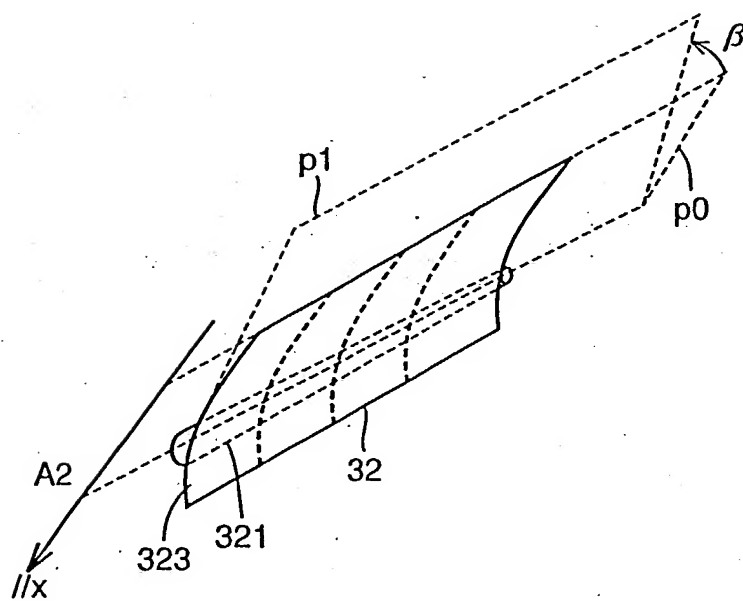


图66

~~图75~~

~~图25~~

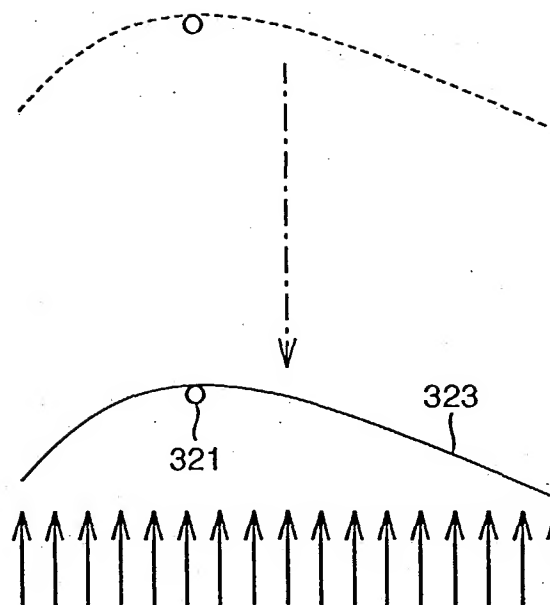


图 67

~~图 76~~

~~图 26~~

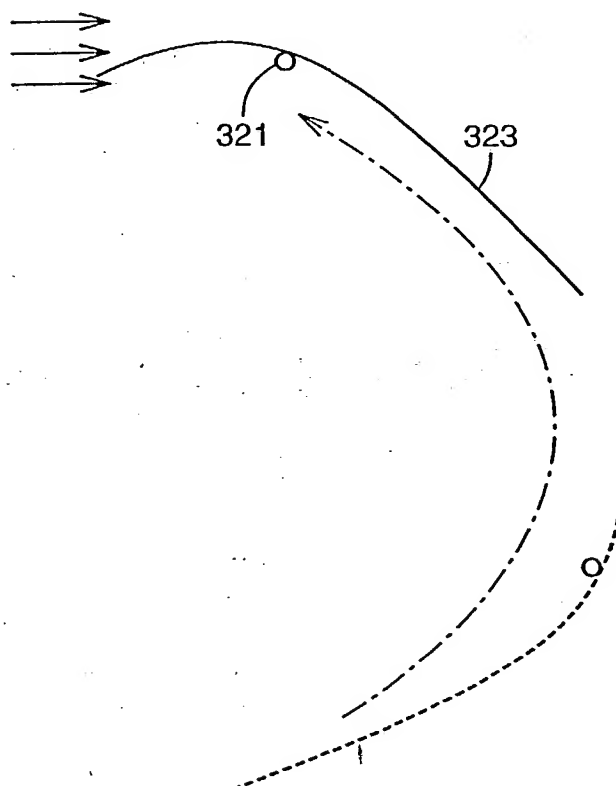


图 68

~~图 77~~

~~图 27~~

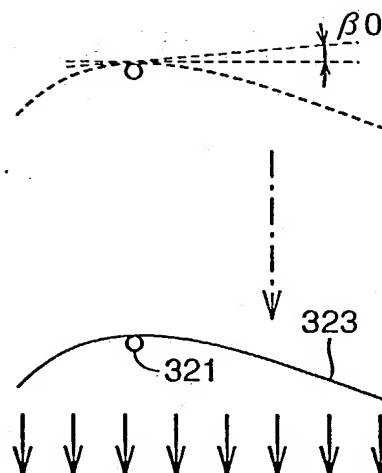


圖 69

~~图 58~~

—圖28—

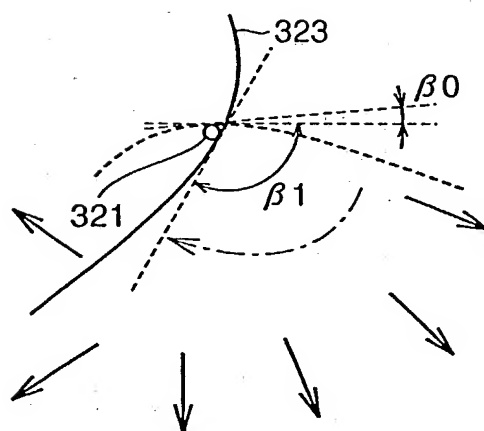


圖 70

Σ. 79

—圖29—

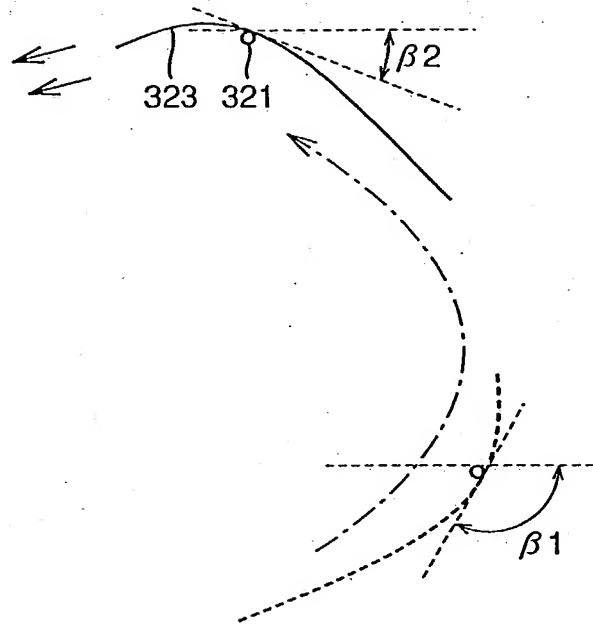


图 71

~~图 80~~

~~图 30~~

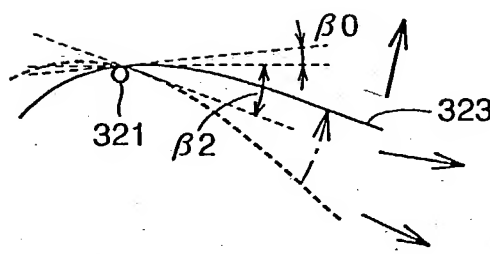


图 72

~~图 81~~

~~图 31~~

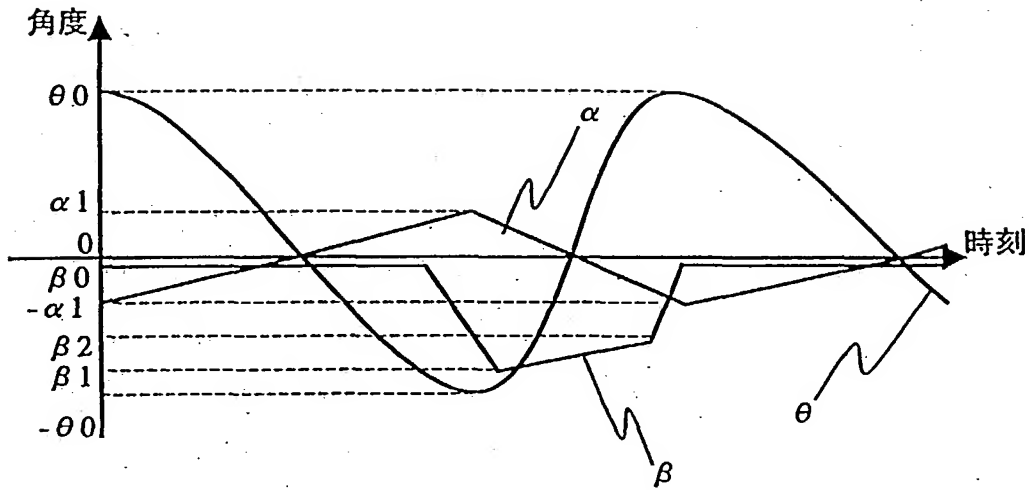


图74

~~图82~~

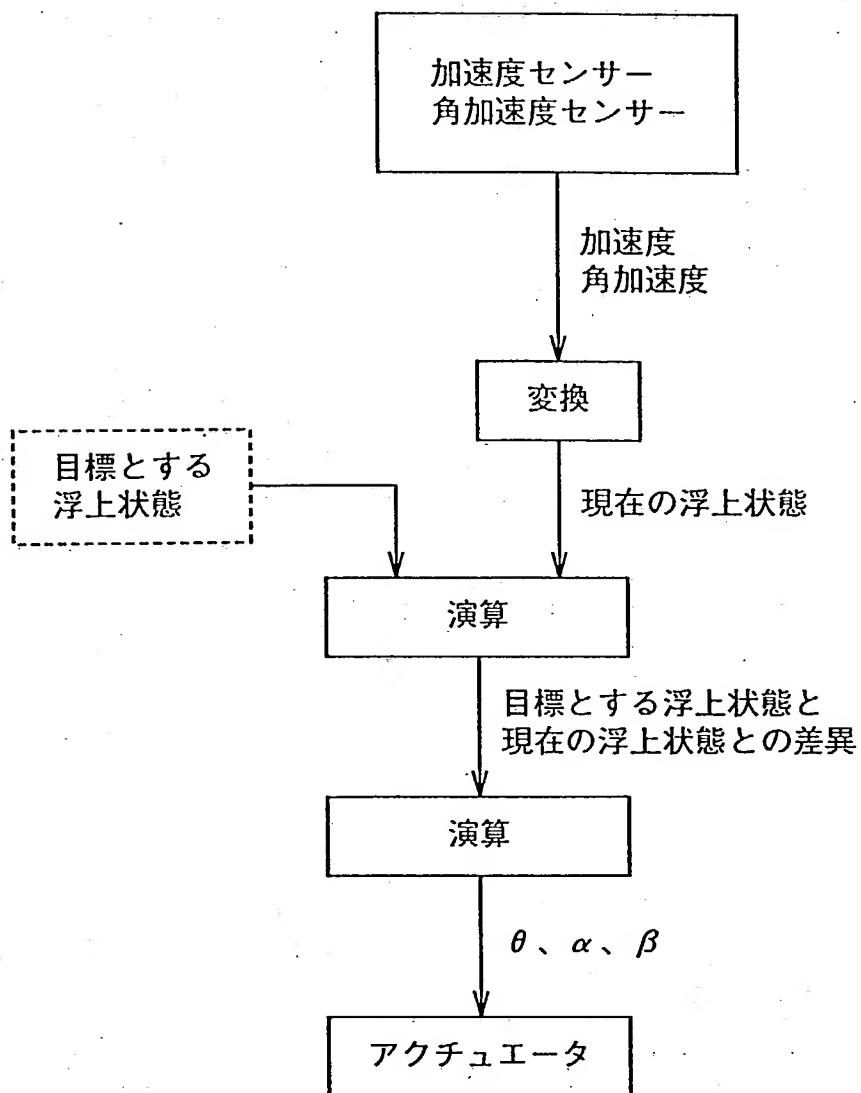
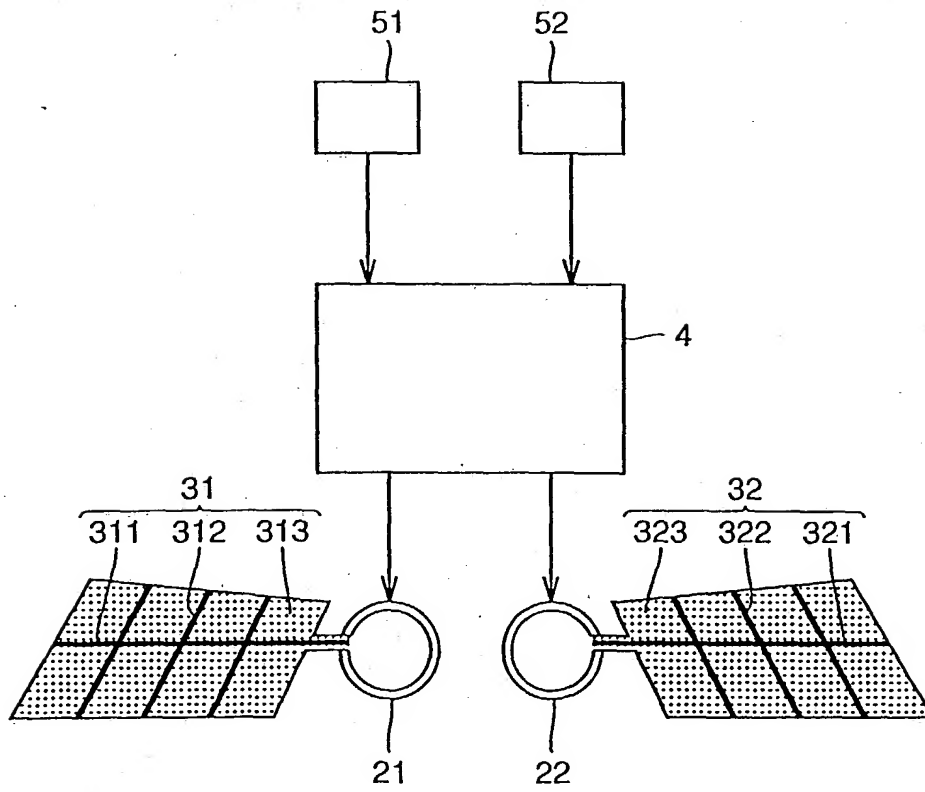
~~図84~~~~図34~~

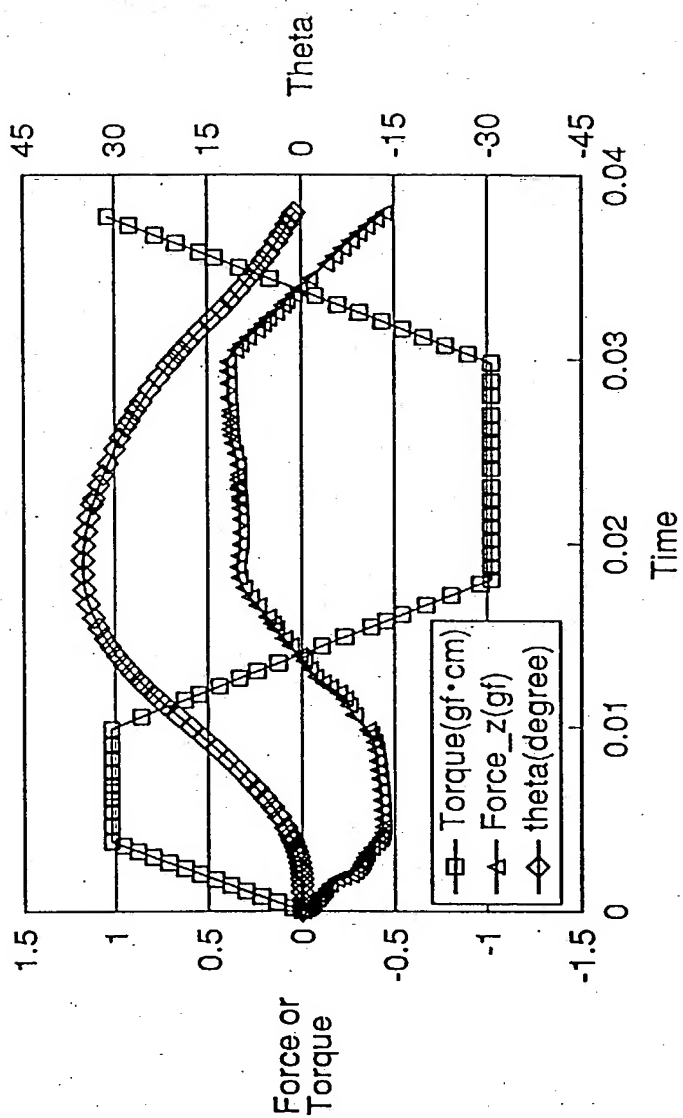
図75



~~图 85~~

~~图 85~~

图 76



77

36

36

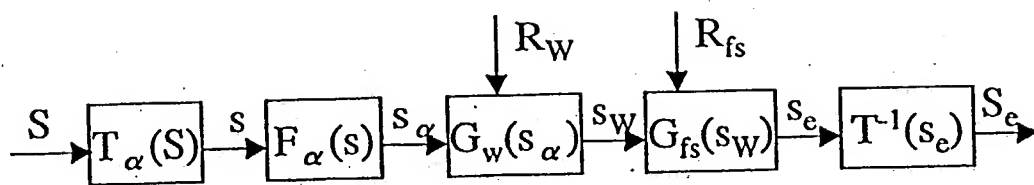


图78

~~图87~~

		$x'' +$	$x'' -$	$z'' +$	$z'' -$	$\theta_y'' +$	$\theta_y'' -$
S1	θ 振幅大			⊗			
	θ 振幅小				⊗		
	$-d\theta/dt$ 大			⊗			
	$-d\theta/dt$ 小				⊗		
	$-d\alpha/d\theta > d\alpha_{th}$	⊗					
	$-d\alpha/d\theta < d\alpha_{th}$		⊗				
	β が打ち下ろし 方向に垂直			⊗			
	β が打ち下ろし 方向に垂直でない				⊗		
	$\beta > 0$	⊗					
	$\beta < 0$		⊗				
S2	$-d\beta/dt$ 大	⊗		⊗		⊗	
	$-d\beta/dt$ 小		⊗		⊗		⊗
S3	θ 振幅大				⊗		
	θ 振幅小			⊗			
	$d\theta/dt$ 大				⊗		
	$d\theta/dt$ 小			⊗			
	$d\alpha/d\theta > d\alpha_{th}$		⊗				
	$d\alpha/d\theta < d\alpha_{th}$	⊗					
	β が打ち上げ 方向に垂直				⊗		
	β が打ち上げ 方向に垂直でない			⊗			
S4	$d\beta/dt$ 大	⊗			⊗		⊗
	$d\beta/dt$ 小		⊗	⊗		⊗	

図79
~~図88~~

	右アクチュエータ		左アクチュエータ	
	周波数	羽ばたき	周波数	羽ばたき
上昇	35Hz	B	35Hz	B
下降	25Hz	B	25Hz	B
前進	30Hz	A	30Hz	A
停空	30Hz	B	30Hz	B
右旋回	30Hz	B	30Hz	A
左旋回	30Hz	A	30Hz	B

図80

~~図81~~